

## List of Questions for the Province

1. For farms outside of the LOU in the Broughton area is there a change in the required level of First Nation engagement/support for an application? PRESENT
2. Will all First Nations need to concur or just the one with the strongest claim in the area? PRESENT
3. What is the provincial position on the status of a tenure if a First Nation initially supports a tenure renewal but subsequently withdraw this support after the tenure is issued? PRESENT
4. For applications already in process (post-PRT) will there be changes to how the application is assessed? PRESENT
5. At present if a tenure is has a month-to-month status the province will not accept any proposed changes to the tenure and associated infrastructure. Would the province consider authorizing changes that resulted in improved fish health outcomes? PRESENT
6. Will the Incidental Use policy remain in place and will it continue to be applicable in the Broughton: all other farm locations? PRESENT
7. Will the province still consider authorizing the transfer of production (for instance from one farm in the Broughton to another outside of the Broughton) through the relocation provisions in the provincial policy? PRESENT
8. What is the province's position on production increases in areas outside of the Discovery Island and the Broughton (Appendix 2 of the operational land-use policy)? PRESENT
9. Will the harmonized process (DFO, FLNRO, TC) change as a result of the provincial government announcement? Is there still a rationale for a harmonized process? PRESENT
10. Will the province be making changes to the level of consultation associated with the Incidental Use policy? FUTURE

11. In the longer term (post 2022) how does the province see dealing with overlapping claims when an application is submitted? FUTURE
12. Will farms with a month-to-month tenure status be part of the 2022 process where First Nations make the final decision or will this new approach start earlier? FUTURE
13. Will the harmonized process (DFO, FLNRO, TC) change as a result of the provincial government announcement? Is there still a rationale for a harmonized process? FUTURE
14. Does the province support the development of new farm sites in areas outside of the Broughton Archipelago? What mechanism or process would be used to consider applications North of Cape Caution? FUTURE
15. Is the province interested in discussing looking at models for implementing an Area Based Management process that could engage First Nations in more of a governance role? FUTURE
16. Are there any specific areas that DFO can contribute to/collaborate on with respect to the 2022 process? FUTURE



**Lim, Susan**

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**From:** West Coast Land Referrals FLNR:EX <WestCoast.LandReferrals@gov.bc.ca>  
**Sent:** July-10-17 10:58 AM  
**To:** AQ Referral / AQ Renvoi (DFO/MPO)  
**Cc:** Johnson, Jim FLNR:EX  
**Subject:** ATS 259322 - Aquaculture Incidental Use File 1408560  
**Attachments:** 2017-07-10 App.pdf

Please find the application attached for Incidental Use.  
Thanks.

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**From:** [REDACTED]  
**Sent:** Thursday, July 6, 2017 10:25 AM  
**To:** FrontCounter BC FLNR:EX  
**Subject:** Marine Harvest Canada Larsen Island 1408560 Pacific Marine MarineFinfish Amendment Application 06-July-2017

Good Morning

Please see attached the Pacific Marine Finfish Aquaculture Amendment Application for our Larsen Island (LF#1408560) farm site. Please let me know if you have any questions or comments.  
Thank you,

[REDACTED]  
Marine Harvest Canada  
Campbell River, BC  
Tel: (250) 850-FARM (3276) ext [REDACTED]  
Cell: ([REDACTED])  
Fax: (250) 850-3275

[www.marineharvest.ca](http://www.marineharvest.ca)

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# ***Larsen Island*** LF#1408560

## **Pacific Marine Finfish Aquaculture Amendment Application**

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**Submitted to:**

**Front Counter BC**

**2080a Labieux Road**

**Nanaimo, BC**

**V9T 6J9**

**Submitted by:**

**Marine Harvest Canada**

**Suite #124-1334 Island Highway**

**Campbell River, BC**

**V9W 8C9**

***July 6, 2017***

MARINE HARVEST ASA

marineharvest

FrontCounter BC  
2080a Labieux Road,  
Nanaimo, B.C.  
V9T 6J9

July 6, 2017.

To whom it may concern,

**RE: REQUEST FOR SITE AMENDMENT APPROVAL AT LARSEN ISLAND LF#1408560**

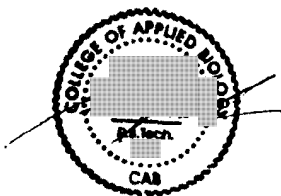
Marine Harvest Canada Inc. (MHC) is seeking to amend the infrastructure at our Larsen Island finfish aquaculture site. MHC would like to add two cages to the existing approved 2x5 30m square pen array. The proposed cage array would therefore be a 2x6 array of 30m square pens. The addition of the two cages would lower fish densities in the cages, decrease the environmental impact under the cages, and result in better fish health due to the lowered densities.

The addition of the two cages meets the conditions of Incidental Aquaculture Use in that the *Intensive Use Area* of the 2x6 30m cage array is less than that of the original 3x4 90m circle cage that has been previously approved.

DEPOMOD predictions for the proposed 2x6 30m cage array represent an increase of 1.24% in the overall 5g carbon footprint from the previously approved 3x4 90m circle cage array.

Please accept the enclosed information as our application for amendment to the Larsen Island farm site.

Sincerely,



Marine Harvest Canada  
Campbell River, BC  
Tel: (250) 850-FARM (3276) ext [REDACTED]  
Cell: [REDACTED]  
Fax: (250) 850-3275  
[www.marineharvestcanada.com](http://www.marineharvestcanada.com)

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<b>PACIFIC MARINE FINFISH AQUACULTURE AMENDMENT APPLICATION</b>				
<b>LIST OF ATTACHMENTS</b>				<b>Attachment</b>
<b>PART I – GENERAL INFORMATION</b>				
<b>Section E: Maps, Diagrams, and Additional Required Documents</b>				
	1.	General Location Map		1
	2.	Detailed Location Map		1
	4.(a)ii	Top View Operational Diagram (2x6 30m square cages)		1
	5.	Side View Operational Diagrams (2x6 30m square cages)		1
	4.(b)	Top View Operational Diagram (3x4 90m circle cages)		1
	5.	Side View Operational Diagrams (3x4 90m circle cages)		1
	4.(b)	Top View Operational Diagram (2x5 36m square cages)		1
	5.	Side View Operational Diagrams (2x5 36m square cages)		1
	7.	Intensive Use Area of Site		2
<b>PART III – INFORMATION FOR FISHERIES AND OCEANS CANADA</b>				
<b>Section C: Wild Fish, Fish Habitat and Siting Considerations</b>				
	C1: Modeling			
		1.1	Diagram of Prediction at Maximum Feed Rate (2x6 30m square cages)	3
		1.2	Diagram of Prediction at Average Feed Rate (2x6 30m square cages)	3
		1.1	Diagram of Prediction at Maximum Feed Rate (3x4 90m circle cages)	3
		1.2	Diagram of Prediction at Average Feed Rate (3x4 90m circle cages)	3
		1.1	Diagram of Prediction at Maximum Feed Rate (2x5 36m square cages)	3
		1.2	Diagram of Prediction at Average Feed Rate (2x5 36m square cages)	3
		1.3	Summary Tables and Results	3
		1.4	Current Data	4
<b>Section D: Management Plans</b>				
	D2: Containment Array Management Plan			5



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FOR INTERNAL USE	
File Number: 1408560	Project Number: ATS 259322
Disposition Number:	Client Number:

## PACIFIC MARINE FINFISH AQUACULTURE AMENDMENT

### APPLICATION

MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS  
FISHERIES AND OCEANS CANADA  
TRANSPORT CANADA

Prior to completing this application refer to the approved **Federal Aquaculture Licence and Provincial Site Management plans** for details on currently approved activities at the site. If you require a copy, please contact FLNRO at [WestCoast.LandReferrals@gov.bc.ca](mailto:WestCoast.LandReferrals@gov.bc.ca)

## PART I – GENERAL INFORMATION

**?** Any time you see this symbol, hold mouse pointer over top and additional information will appear.

For each question, select only one check box or circle unless otherwise directed.

### PART I - SECTION A1: AMENDMENT SUMMARY

Provide a general overview of the proposed amendment:



Marine Harvest Canada Inc. (MHC) is seeking to amend the infrastructure at our Larsen Island finfish aquaculture site. MHC would like to add two cages to the existing approved 2x5 30m square pen array. The proposed cage array would therefore be a 2x6 array of 30m square pens. The addition of the two cages would lower fish densities in the cages, decrease the environmental impact under the cages, and result in better fish health due to the lowered densities.

The addition of the two cages meets the conditions of Incidental Aquaculture Use in that the Intensive Use Area of the 2x6 30m cage array is less than that of the original 3x4 90m circle cage that has been previously approved.

DEPOMOD predictions for the proposed 2x6 30m cage array represent an increase of 1.24% in the overall 5g carbon footprint from the previously approved 3x4 90m circle cage array.



Additional Pages or Supporting Material Attached:

☐ Yes

☒ No



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**PART I – SECTION A2: AMENDMENT TYPE (CHECK ALL THAT APPLY)**

<input type="checkbox"/> <b>Tenure Area Change</b>	
<div style="margin-left: 40px;"> <input type="checkbox"/> Expansion   <input type="checkbox"/> Reduction         </div>	Complete the following: PART I PART II PART III: Section C PART IV PART V
<input checked="" type="checkbox"/> <b>Infrastructure</b>	
<div style="margin-left: 40px;"> <input checked="" type="checkbox"/> Addition of <u>Infrastructure</u>   <input checked="" type="checkbox"/> Change meets conditions of          "Incidental Aquaculture Use" (IAU)       </div>	Complete the following: PART I PART II: complete only if does not meet IAU PART III: Sections B (if applicable), C & D PART IV PART V
<div style="margin-left: 40px;"> <input type="checkbox"/> Removal         </div>	Complete the following: PART I PART III PART V
<input type="checkbox"/> <b>Species and/or Production</b>	
<div style="margin-left: 40px;"> <input type="checkbox"/> Addition of Species   <input type="checkbox"/> Change in Production   <input type="checkbox"/> Removal         </div>	Complete the following: PART I: Sections A, B & C PART III : Sections A, C & D PART V



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**PART I - SECTION 81: FEDERAL APPROVAL APPLICANT INFORMATION**



☒ CHECK THIS BOX IF SAME APPLICANT INFORMATION WILL BE USED FOR PROVINCIAL APPROVAL

<b>1. Applicant Type (complete only one type):</b>		
<input checked="" type="checkbox"/> Registered Business	Registered Business Name: Marine Harvest Canada	
	BC Inc. #, BC Registration # or BC Society #:	
<input type="checkbox"/> Individual(s)		
First:	Middle:	Last:
<b>2. Applicant Mailing Address:</b>		Telephone (250) 850-3276
Suite 124-1334 Island Highway		Cell:
Campbell River, B.C.		Fax: (250) 850-3275
V9W 8C9		Email:
Canada		
<b>3. Physical Business Address:</b>		
<input checked="" type="checkbox"/> Same as above		
<b>4. Primary Contact Mailing Address:</b>		<input checked="" type="checkbox"/> Same as above
		Name:
		Telephone (250) 850-3276
		Cell:
		Fax: (250) 850-3275
		Email:
<b>5. Agent/Representative Mailing Address:</b>		Letter of Authorization Enclosed: <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
		Name:
		Telephone:
		Cell:
		Fax:
		Email:



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**PART I – SECTION B2: PROVINCIAL APPROVAL APPLICANT INFORMATION**

(COMPLETE SECTION B2 ONLY IF APPLICANT INFORMATION IS DIFFERENT THAN SECTION

<b>1. Applicant Type (complete only one type):</b>		
<input type="checkbox"/> Registered Business	<b>Registered Business Name:</b>	
	<b>Business Number:</b>	
<input type="checkbox"/> Individual(s)		
<b>First:</b>	<b>Middle:</b>	<b>Last:</b>
<b>2. Applicant Mailing Address:</b>		<b>Telephone:</b>
		<b>Cell:</b>
		<b>Fax:</b>
		<b>Email:</b>
<b>3. Physical Business Address:</b>		
<input type="checkbox"/> Same as above		
<b>4. Primary Contact Mailing Address:</b>		<input type="checkbox"/> Same as above
		<b>Name:</b>
		<b>Telephone:</b>
		<b>Cell:</b>
		<b>Fax:</b>
		<b>Email:</b>
<b>5. Agent/Representative Mailing Address:</b>		<b>Letter of Authorization Enclosed:</b> <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
		<b>Name:</b>
		<b>Telephone:</b>
		<b>Cell:</b>
		<b>Fax:</b>
		<b>Email:</b>





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## PART I – SECTION C: SITE GENERAL INFORMATION

- |  |              |
|--|--------------|
| 1. DFO Facility Reference Number: 143                  |              |
| 2. Land File Number: 1408560                           |              |
| 3. Navigation Protection Program Number: 8200-T-5964.2 |              |
| 4. Site Common Name: Larsen Island                     |              |
| 5. Pacific Fishery Management Area (PFMA): 12          | Sub Area: 26 |

## PART I - SECTION D: LICENSED AREA CHANGE

### 1. Land Ownership and/or Tenure Type:

- ☒ Provincial Crown Land (if Crown land: ☐ Lease ☒ Licence of Occupation ☐ Investigative Use Licence)
- ☐ Federal Land
- ☐ Private Land
- ☐ Harbour Authority
- ☐ First Nation Reserve
- ☐ Other (describe):

### 2. GPS coordinates for the center of the application area / tenure (Report in Degree Decimal Minutes):

Latitude (DD DD.ddddd): 50 36.083

Longitude (DD DD.ddddd): 126 37.017

### 3. Estimated Application Area

CURRENTLY  
LICENSED  
(hectares)

PROPOSED CHANGE  
(hectares)

☐ Add ☐ Remove

PROPOSED  
CUMULATIVE TOTAL  
(hectares)

Intensive Use Area of Site	11	11	11
Extensive Use Area of Site	13	13	13
Estimated Total Area of Site	24	24	24



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## PART I - SECTION E: MAPS, DIAGRAMS AND ADDITIONAL REQUIRED DOCUMENTS

Check each box to confirm attached	<p>Attach the following maps, diagrams and documents in Adobe format (.pdf). They must be submitted with a title, to scale and be consistent with the other information in this application.</p> <p>Please refer to the Mapping Descriptions and Sample Mapping located in the Guide to Pacific Marine Finfish Aquaculture. All maps should be provided using CHS Marine Charts unless specified otherwise.</p>
<input checked="" type="checkbox"/>	1. <b>General Location Map:</b> A 1:50,000 to 1:100,000 indicating the general location of area under application, noting the location of significant geographic features, such as a lake, mountain, road, community, etc.
<input checked="" type="checkbox"/>	2. <b>Detailed Location Map:</b> A map with a scale between 1:20,000 and 1:40,000, showing the detailed location of the area under application.
<input type="checkbox"/>	<p>3. <b>Application Area Map (submit one of the following):</b></p> <p>(a) <b>Shape file:</b> Attach a shapefile or ".kmz" file, geo-referenced to BC Albers projection (NAD 83), including a reference map with a Point of Commencement (POC) ; OR</p> <p>(b) <b>Metes &amp; Bounds:</b> A topographic map showing a UTM/latitude and longitude of POC and a corresponding text description on a separate piece of paper that describes the metes &amp; bounds of the proposed shape.</p>
<input checked="" type="checkbox"/>	<p>4. <b>Top View Operational Diagram(s):</b></p> <p>(a) A 1:5000 scale site plan showing proposed change(s) to existing tenure boundaries and:                      (i) <u>new containment array</u>. If several arrays are proposed, provide one site plan per array; AND/OR                      (ii) any proposed changes to <u>existing containment array(s)</u>. If changes are proposed to several containment arrays, provide one site plan per array; AND</p> <p>(b) A single 1:5000 scale site plan showing currently licenced containment array(s) and all proposed additions and/or changes as outlined in 4(a).</p>
<input checked="" type="checkbox"/>	5. <b>Side View Operational Diagram:</b> A map(s) showing a cross section diagram of the containment array(s) that itemize all structures above the surface and include all underwater structures and the high and low water mark.
<input type="checkbox"/>	6. <b>Habitat Map:</b> A 1:5000 map showing boundaries of the application area and including habitat characteristics from the habitat assessments.
<input checked="" type="checkbox"/>	7. <b>Intensive Use Area of site (Hectares):</b> Attach a worksheet showing the total Intensive Use Area (IUA) calculation for the infrastructure configuration which occupies the largest IUA.

## PART I - SECTION F: FIRST NATIONS CONSIDERATION

Canada and the Province of British Columbia are legally obligated to consult and, where appropriate, accommodate First Nations on decisions that could impact treaty rights or aboriginal rights and title ("Aboriginal Interests"). Federal and Provincial decision-makers are responsible for ensuring adequate and appropriate consultation and accommodations.

For more information please review the information available on the Ministry of Forests, Lands and Natural Resource Operations website: 'Consulting with First Nations'; specifically proponents are advised to review: "Guide to Involving Proponents When Consulting First Nations" (<http://www2.gov.bc.ca/gov/content/environment/natural-resource-stewardship/consulting-with-first-nations>).

Proponents are encouraged to engage with First Nations as early as possible in the planning stages to build relationships and for information sharing purposes. You may use the Province's Consultative Areas Database to identify which First Nations to engage: <http://geobc.gov.bc.ca>.

Is a summary of information sharing attached? ☐ Yes ☐ No



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PART I - SECTION G: INFRASTRUCTURE INFORMATION SECTION

G1 - CONTAINMENT ARRAY(S) ?

1. Proposed changes to Containment Array(s):			
DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input checked="" type="checkbox"/> Circle	<input checked="" type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input checked="" type="checkbox"/> Circle <span style="border: 1px solid black; border-radius: 50%; padding: 0 5px;">?</span>
QUANTITY	12		12
CONFIGURATION	3x4		3x4
DIMENSIONS *	90		90
TOTAL AREA **	40,992		40,992

\*Dimensions (m) for each structure

\*\* Total area is calculated using the length and width of the outside edges, including walkways of a square cage array and the length and width of the outer circle anchoring grid for circle cages.

\*\*\* Proposed change (difference between currently licensed and proposed cumulative total)

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input checked="" type="checkbox"/> Square <input type="checkbox"/> Circle	<input checked="" type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input checked="" type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY	10		10
CONFIGURATION	2x5		2x5
DIMENSIONS *	36		36
TOTAL AREA **	14,212		14,212

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input checked="" type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input checked="" type="checkbox"/> Add <input type="checkbox"/> Remove <input checked="" type="checkbox"/> Square <input type="checkbox"/> Circle	<input checked="" type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY	10	2	12
CONFIGURATION	2x5	1x2	2x6
DIMENSIONS *	30	30	30
TOTAL AREA **	10,048	1,984	12,032



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PART I SECTION G1 – CONTAINMENT ARRAY(S) CONTINUED: ?

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle ?
QUANTITY			
CONFIGURATION			
DIMENSIONS *			
TOTAL AREA **			

\*Dimensions (m) for each structure

\*\* Total area is calculated using the length and width of the outside edges, including walkways of a square cage array and the length and width of the outer circle anchoring grid for circle cages.

\*\*\* Proposed change (difference between currently licensed and proposed cumulative total)

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY			
CONFIGURATION			
DIMENSIONS *			
TOTAL AREA **			

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY			
CONFIGURATION			
DIMENSIONS *			
TOTAL AREA **			



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## PART I - SECTION G2: ANCILLARY AND NAVIGATIONAL STRUCTURES

### 2. Proposed Ancillary and Navigational Structures:

For applications with more than one cage array proposed, please review ancillary section in the Guide to Marine Finfish Aquaculture Application.

DESCRIPTION	PROPOSED CHANGE	QUANTITY	DIMENSIONS (m)	TOTAL AREA (m <sup>2</sup> )
<i>e.g. Feed barge</i>	<input checked="" type="checkbox"/> Add or <input checked="" type="checkbox"/> Remove	1	40m x 30 m	1450m <sup>2</sup>
Feed Barge	<input type="checkbox"/> Add <input type="checkbox"/> Remove	1	12x18	216
Float House	<input type="checkbox"/> Add <input type="checkbox"/> Remove	1	12x18	216
Transfer cages	<input type="checkbox"/> Add <input type="checkbox"/> Remove	4	15x15	900
Utility Floats	<input type="checkbox"/> Add <input type="checkbox"/> Remove	3	10x10	300
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Buoys	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Anchor Blocks	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Mooring lines	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Other:				



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## PART II – INFORMATION FOR THE BC MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS (FLNR)

The following information, along with Part I and Part V is required for the review of the Provincial Crown Land Tenure application to an existing tenure pursuant to the BC Land Act.

### PART II - SECTION A: SITING CONSIDERATIONS



Applicants must respond to each consideration and may be required to provide additional information in some situations

1. Does your proposal infringe on the riparian rights of an upland owner?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Letter of upland owner consent enclosed: <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A	
2. Is the intended use consistent with approved local government bylaws for land use planning and zoning?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Provide the name of the local government(s) for the area under application: Mount Waddington Regional District	
Describe any applicable bylaws or zoning for the proposed area:	
If <u>No</u> , have you contacted the local government?	
Summary of interactions with local government attached: <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A	
3. Is the site situated greater than 1 km in all directions from a First Nations reserve?	<input checked="" type="radio"/> Yes <input type="radio"/> No
If "No", written support from the First Nation(s) is attached: <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	
4. Is the site situated greater than 1 km in a direct line of sight from existing federal parks, regional district parks, provincial parks, marine protected areas, and conservancies (or approved proposals for these)?	<input type="radio"/> Yes <input checked="" type="radio"/> No
If <u>No</u> , have you contacted the relevant agency?	
Summary of correspondence with governing agency enclosed: <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	
5. Is the site situated greater than 1 km from ecological reserves smaller than 1000 ha or approved proposals for ecological reserves smaller than 1000 ha?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Summary of communication with BC Parks is attached: <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	





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**PART II - SECTION A: SITING CONSIDERATIONS CONTINUED:**

6. Is the site situated greater than 1 km from the mouth of an anadromous salmonid-bearing stream determined as significant by the Province?		<input checked="" type="radio"/> Yes <input type="radio"/> No
Supporting documents is attached:		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
Provide the title of the supporting document(s) attached: <input checked="" type="radio"/>		
7. Is the intended use consistent with a local area plan or Coastal Zone Management Plan? <input checked="" type="radio"/>		<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
Identify the relevant plan(s) and describe any applicable sections of those plans for the proposed area: 2015 North Vancouver Island Marine Plan		
Provide details of communications and relevant correspondence with your application.		

**PART II - SECTION B: ADDITIONAL CROWN LANDS INFORMATION**

1. Are all applicants Canadian Citizens or Permanent Residents; or if a corporation, registered partnership, cooperative or non-profit society, is it registered in BC?	<input checked="" type="radio"/> Yes <input type="radio"/> No
2. Is/Are applicant(s) 19 years of age or older?	<input checked="" type="radio"/> Yes <input type="radio"/> No
3. For applications made by more than one individual:	<input checked="" type="radio"/> N/A <input type="radio"/> Joint Tenants <u>OR</u> <input type="radio"/> Tenants in Common

**PART II - SECTION C: WATER USE**

1. Will fresh water be diverted or used at the site for the operation of the facility, living accommodations or other purposes?	<input type="radio"/> Yes (Complete Question 2 & 3)	
	<input checked="" type="radio"/> No planned water usage (continue to Part III)	
2. Fresh water source: (check all that apply)	<input type="checkbox"/> Ground Water <input checked="" type="radio"/>	<input type="checkbox"/> Surface Water
	Water Source Name:	
3. Do you have any existing water licences and/or have you submitted any water licence applications?	<input type="radio"/> Yes	Application Tracking Number:
		Licence Number:
	<input checked="" type="radio"/> No	



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## PART III – INFORMATION FOR FISHERIES AND OCEANS CANADA (DFO)

The following information along with Part I and Part V is required for the review of the federal Aquaculture Licence application pursuant to the federal *Fisheries Act, Pacific Aquaculture Regulations*.

### PART III - SECTION A: CULTURED SPECIES AND PRODUCTION

Check all species that you intend to culture and estimate the Combined Peak Biomass in metric tonnes (t).

SPECIES COMMON NAME	CURRENTLY LICENSED	ADD	REMOVE	
Atlantic salmon	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Chinook salmon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Coho salmon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sablefish	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rainbow trout	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
*Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Combined Peak Biomass (t): ➡				PROPOSED CUMULATIVE TOTAL 1,800.00

\*If "Other" species are requested, see guidebook for more details.

### PART III - SECTION B: DOMESTIC WASTE MANAGEMENT

COMPLETE THIS SECTION IF APPLYING FOR A NEW SITE OR MODIFYING LIVING ACCOMMODATION TO AN EXISTING SITE

1. Is there a floating living accommodation within the marine waters of the application area?

Provide description of domestic sewage treatment works:

grey water retention greater than 24 hours

☒ Yes

☐ No

2. Location of the sewage discharge point (include depth of outfall line):

greater than 15m





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### PART III - SECTION C: WILD FISH, FISH HABITAT AND SITING CONSIDERATIONS



**NOTE:** Qualified professionals must conduct the habitat assessment and sediment sampling survey(s) and reporting.

IS ATTACHED	NOT REQUIRED	DOCUMENT (Check each box to confirm that documents are attached)	
<b>C1 MODELING &amp; CURRENTS</b>			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1.1 Diagram(s) of prediction(s) at maximum feed rate (1g, 5g and 10g contour)	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1.2 Diagram(s) of prediction(s) at average feed rate (1g, 5g and 10g contour)	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1.3 Summary tables and results	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1.4 Current Data	
<b>C2 FISH AND FISH HABITAT SURVEYS</b>			
<input type="checkbox"/>	<input type="checkbox"/>	2.1 Nearshore Survey	
<input type="checkbox"/>	<input type="checkbox"/>	2.2 Deepwater Survey	
<b>C3 SEDIMENT SAMPLING</b>			
<input type="checkbox"/>	<input type="checkbox"/>	* Check "NOT REQUIRED" if substrate cannot be sampled	
<b>C4 SENSITIVE AND CRITICAL HABITAT SURVEY(S) OR DATA</b>			
IS ATTACHED	TYPE	IS ATTACHED	TYPE
<input type="checkbox"/>	Stream survey	<input type="checkbox"/>	Glass sponge complexes
<input type="checkbox"/>	Historic herring spawn	<input type="checkbox"/>	Shellfish beds
<input type="checkbox"/>	Marine Mammal usage area	<input type="checkbox"/>	Abalone
<input type="checkbox"/>	Eelgrass beds	<input type="checkbox"/>	Lingcod
<input type="checkbox"/>	Kelp beds	<input type="checkbox"/>	Rockfish rearing/nursery areas
<b>C5 REFERENCE STATION DATA</b>			
<input type="checkbox"/>	<input type="checkbox"/>	Video data and Sediment Sampling	

### PART III - SECTION D: MANAGEMENT PLANS

The following facility management plans **must be attached** to your application. Check each box to confirm is attached.

IS ATTACHED	PLAN
<input type="checkbox"/>	<b>D1 INVENTORY PLAN</b> - A 24 month Inventory Plan for all licensed species including biomass and age class.
<input type="checkbox"/>	<b>D2 CONTAINMENT ARRAY MANAGEMENT PLAN</b> - describes the structural operational components and location of compliance monitoring stations.
<input type="checkbox"/>	<b>D3 HEALTH MANAGEMENT PLAN (HMP)</b> - outlines the actions or procedures that operator must use at a facility to meet fish health requirements.
<input type="checkbox"/>	<b>D4 ESCAPE PREVENTION AND RESPONSE PLAN</b> - outlines the infrastructure and practices employed to prevent the escape of cultured fish into the marine environment.
<input type="checkbox"/>	<b>D5 MARINE MAMMAL INTERACTION MANAGEMENT PLAN</b> - describes measures to deter and minimize predator interactions.

**NOTE:** Upon approval, the CONTAINMENT ARRAY AND HEALTH MANAGEMENT PLANS will be incorporated into the Conditions of Licence.



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## PART IV – INFORMATION FOR TRANSPORT CANADA (TC)

The following information, along with Part I and Part V is required for the review of the federal *Navigation Protection Act* (NPA) approval.

### PART IV - SECTION A: SITING CONSIDERATIONS

Applicants may be required to provide additional information in some situations.

### PART IV - SECTION B: ADDITIONAL TRANSPORT CANADA INFORMATION

1. Waterway Name: Indian Channel	
Width (m): 1,000.00	Depth Range (m): 40.00
2. Nearest Community: Telegraph Cove	
3. Is this Work:	<input type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> Modification of Existing Work
4. To help with the review process, please include the following if available. Check each box to confirm is attached.	
<input type="checkbox"/> Photographs at the site of the proposed/existing work and surrounding area	
<input type="checkbox"/> Environmental Assessment documents (if any)	



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## PART V – INFORMATION FOR ALL AGENCIES

Incomplete applications will be returned to applicant.

### PROVINCIAL FEES:

Application fees for Crown land tenures are due upon submission. Fees for new applications and amendments to existing tenures are established in the Crown Land Fee regulation – see link

[http://www.bclaws.ca/clvix/document/id/lc/statreg/177\\_2003](http://www.bclaws.ca/clvix/document/id/lc/statreg/177_2003). Note that the fee structure does not include that taxes that apply.

### Forms of payment:

- Cheques or Money orders must be in Canadian Funds to Minister of Finance.  
(FrontCounter BC will not accept personal cheques drawn on US banks, regardless of what currency.)
- Debit Card (in-person only).
- Visa, AMEX and MasterCard payments are accepted in-person or over the telephone. To locate a FrontCounter BC office, visit the website at <http://www.frontcounterbc.gov.bc.ca/contact/> or call the toll free number 1-877-855-3222.

**FEDERAL FEES:** <http://www.pac.dfo-mpo.gc.ca/aquaculture/licence-permis/index-eng.html>. Federal fees will be invoiced prior to licensing and are only payable online using the National Online Licensing System.

**DISCLOSURE:** The information you provide may be subject to the following legislation: British Columbia *Freedom of Information and Protection of Privacy Act* (FOIPPA Act); the federal *Access to Information Act*; and the federal *Privacy Act*. Personal information is collected by FrontCounter BC under the legal authority of section 26 (c) and 27 (1) of the *Freedom of Information and Protection of Privacy Act* (the Act). The collection, use, and disclosure of personal information is subject to the provisions of the Act. The personal information collected by FrontCounter BC will be used to process your inquiry or application(s). It may also be shared when strictly necessary with partner agencies that are also subject to the provisions of the Act. The personal information supplied in the application package may be used for referrals or notifications as required. Personal information may be used by FrontCounter BC for survey purposes. For more information regarding the collection, use, and/or disclosure of your personal information by FrontCounter BC, please contact FrontCounter BC at 1-877-855-3222 or at: FrontCounter BC Program Director, FrontCounter BC, Provincial Operation, 441 Columbia Street, Kamloops, BC V2C 2T3 or the Director, Access to Information and Privacy Secretariat at the Department of Fisheries and Oceans Canada and Transport Canada. The Province of British Columbia, Fisheries and Oceans Canada, and Transport Canada do not consider the information submitted in this form to be confidential unless it is subject to the privacy protection of the *Freedom of Information and Protection of Privacy Act* or the *Access to Information Act*.

I understand that the information supplied will be used to review my applications under the *BC Land Act*, *BC Seafood Act*, *federal Fisheries Act* and the *federal Navigation Protection Act* and information will be shared amongst the other agencies, First Nations and/or with the public.

**IMPORTANT:** Federal regulations require that applications submitted on behalf of a company be signed by a company director. Please email [aquaculture.licensing@dfo-mpo.gc.ca](mailto:aquaculture.licensing@dfo-mpo.gc.ca) for direction regarding supporting documentation.\*

Signature(s) of applicant(s)  
or authorized representative

Printed name(s) of Applicant(s)  
or authorized representative\*

Date (yyyy/mm/dd)

2017/07/06

\*If signature is by an authorized representative please supply a letter granting authorization to act on behalf of the applicant.

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## Submit completed application, and additional supporting information (if applicable) to:

### BY EMAIL:

Email Subject line: **Proponent Name, Application Type**

Attachments: The application and attachments to be submitted as one "unprotected" PDF document. If not, name as following:  
**Proponent\_Application Type\_1of2**  
**Proponent\_Description of Supporting documents\_2of2**

Email to: [WestCoast.LandReferrals@gov.bc.ca](mailto:WestCoast.LandReferrals@gov.bc.ca)

Fees: Upon review of your application, you will be notified by FrontCounter BC of the applicable provincial application fee.

### IN PERSON:

Any FrontCounter BC office.

Visit <http://www.frontcounterbc.gov.bc.ca> for the location nearest you.

### BY MAIL:

FrontCounter BC, 142-2080 Labieux Road, Nanaimo, BC V9T 6J9

PLEASE RETAIN A COPY OF THIS APPLICATION FOR YOUR RECORDS

APPLICATIONS ARE NOT TRANSFERABLE

THE SUBMISSION OF THIS FORM DOES NOT IN ANY MANNER CONVEY ANY RIGHTS TO USE OR OCCUPY CROWN LAND AND/OR CONDUCT REQUESTED ACTIVITIES



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**FOR INTERNAL USE ONLY  
(DO NOT COMPLETE THIS PAGE IF FILLING IN APPLICATION ELECTRONICALLY)**

**Site Information:**

Site Common Name

Larsen Island

DFO Facility Reference Number	Land File Number	Intensive Use Area of Site (ha)	Extensive Use Area of Site (ha)	Total Area (ha)
143	1408560	11	13	24

**Proposed Cage Arrays:**

DESCRIPTION	CAGE ARRAY 1	CAGE ARRAY 2	CAGE ARRAY 3	CAGE ARRAY 4	CAGE ARRAY 5	CAGE ARRAY 6
QUANTITY	12	10	12			
CONFIGURATION	3x4	2x5	2x6			
DIMENSIONS *	90	36	30			
TOTAL AREA**	40,992	14,212	12,032			

**Proposed Ancillary and Navigational Structures:**

DESCRIPTION	Feed Barge	Float House	Transfer cages	Utility Floats	
QUANTITY	1	1	4	3	
DIMENSIONS *	12x18	12x18	15x15	10x10	
TOTAL AREA**	216	216	900	300	

**NOTE:** Only first 5 rows of the Ancillary structures are listed here, remainder on page 9 of the application.

\*Dimensions (m OR m2) for each structure

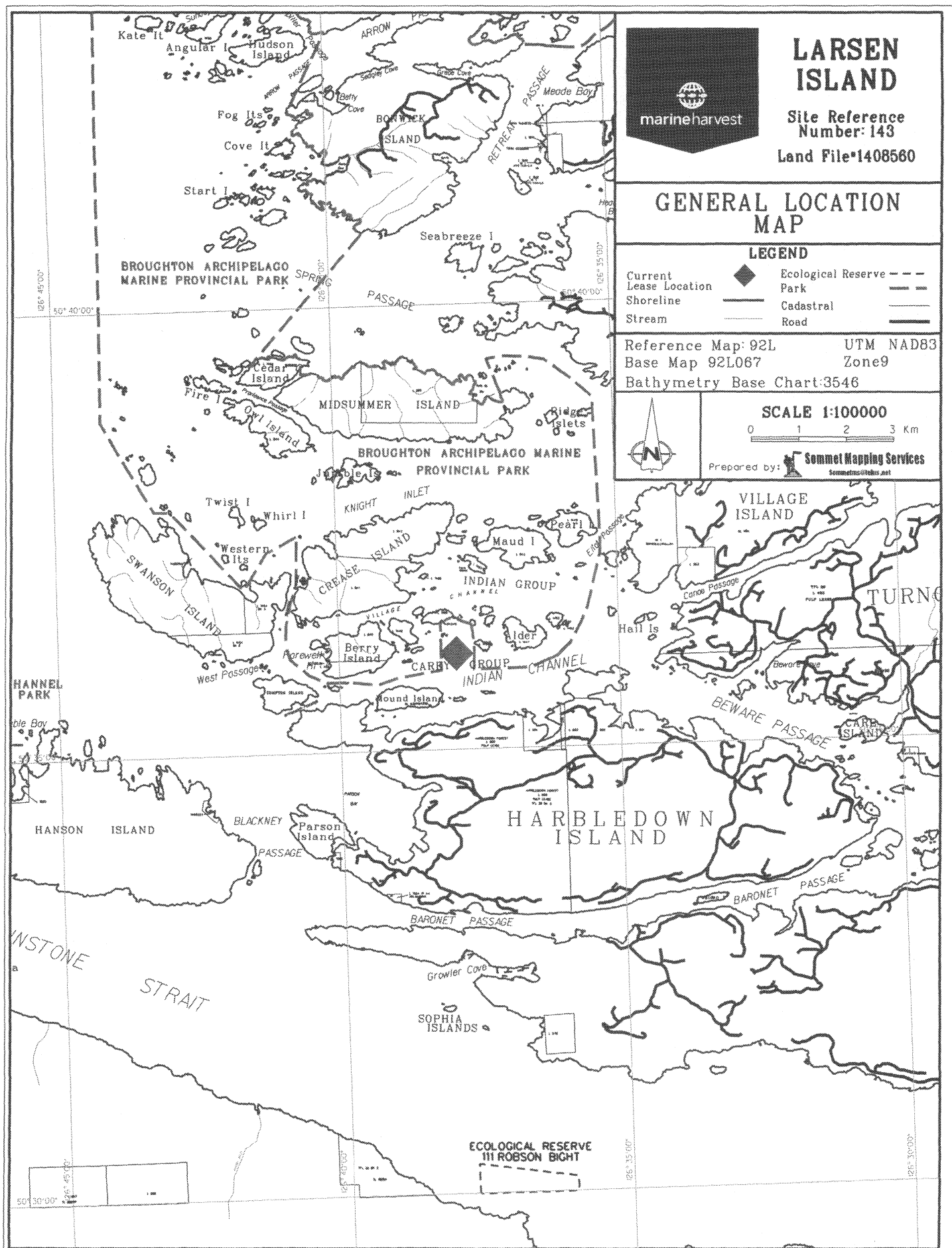
\*\* Total Area including all walkways or area between circular cages

## **Attachment #1**

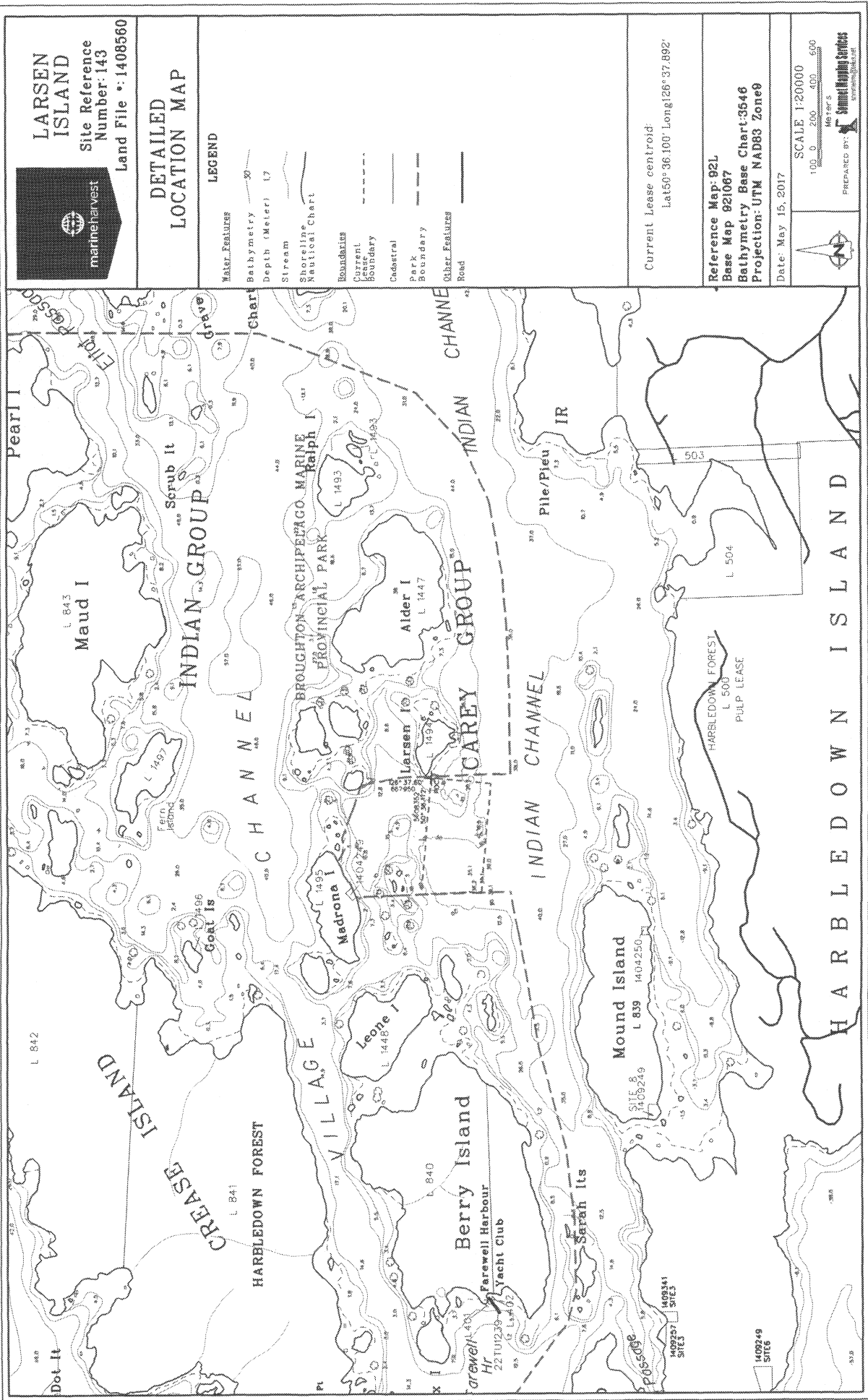
### **Part I - General Applicant Information**

#### **Section E: Maps, Diagrams, and Additional Required Documents**

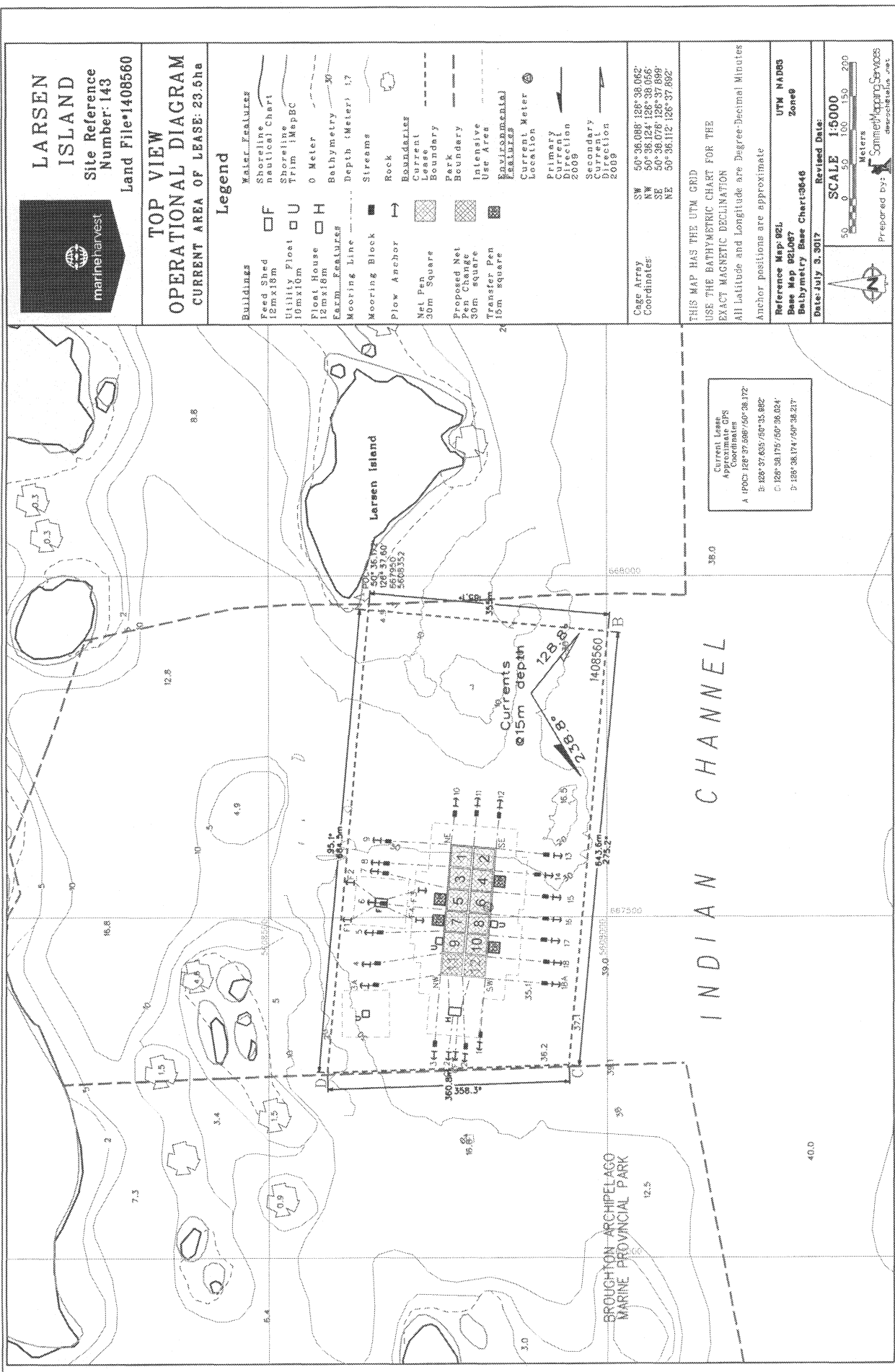
1.	General Location Map
2.	Detailed Location Map
4.(a)ii	Top View Operational Diagram (2x6 30m square cages)
5.	Side View Operational Diagrams (2x6 30m square cages)
4.(b)	Top View Operational Diagram (3x4 90m circle cages)
5.	Side View Operational Diagrams (3x4 90m circle cages)
4.(b)	Top View Operational Diagram (2x5 36m square cages)
5.	Side View Operational Diagrams (2x5 36m square cages)

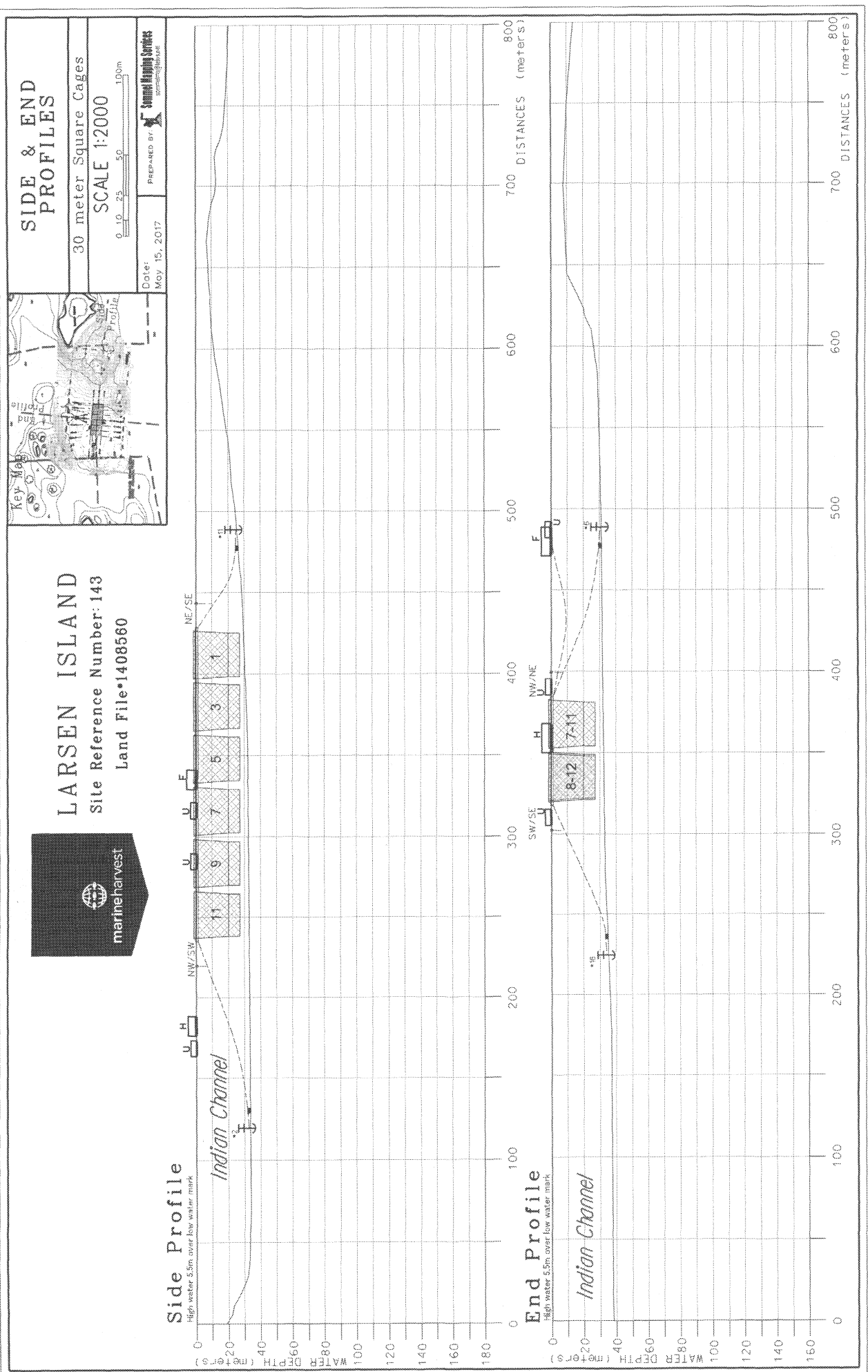


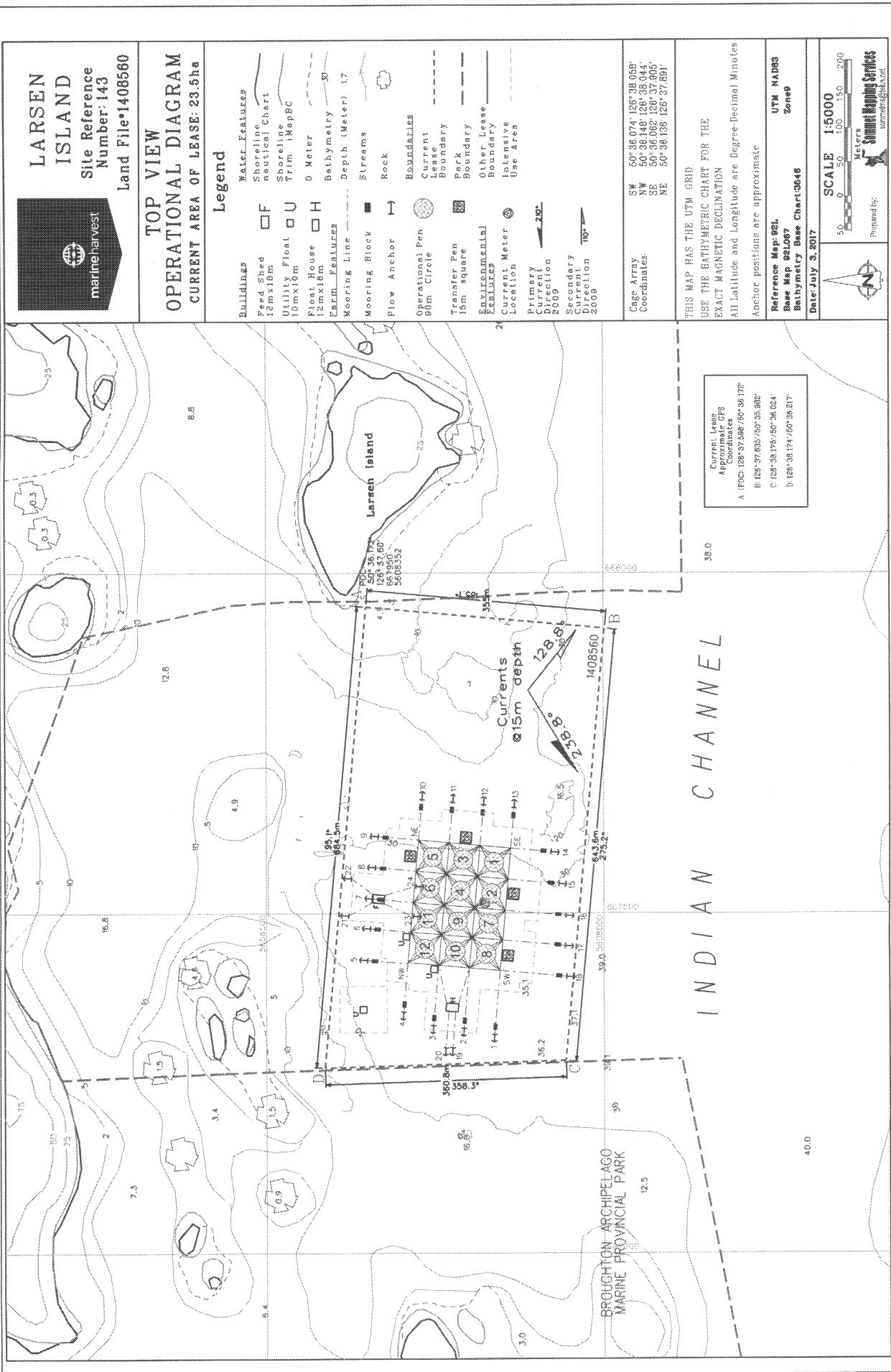


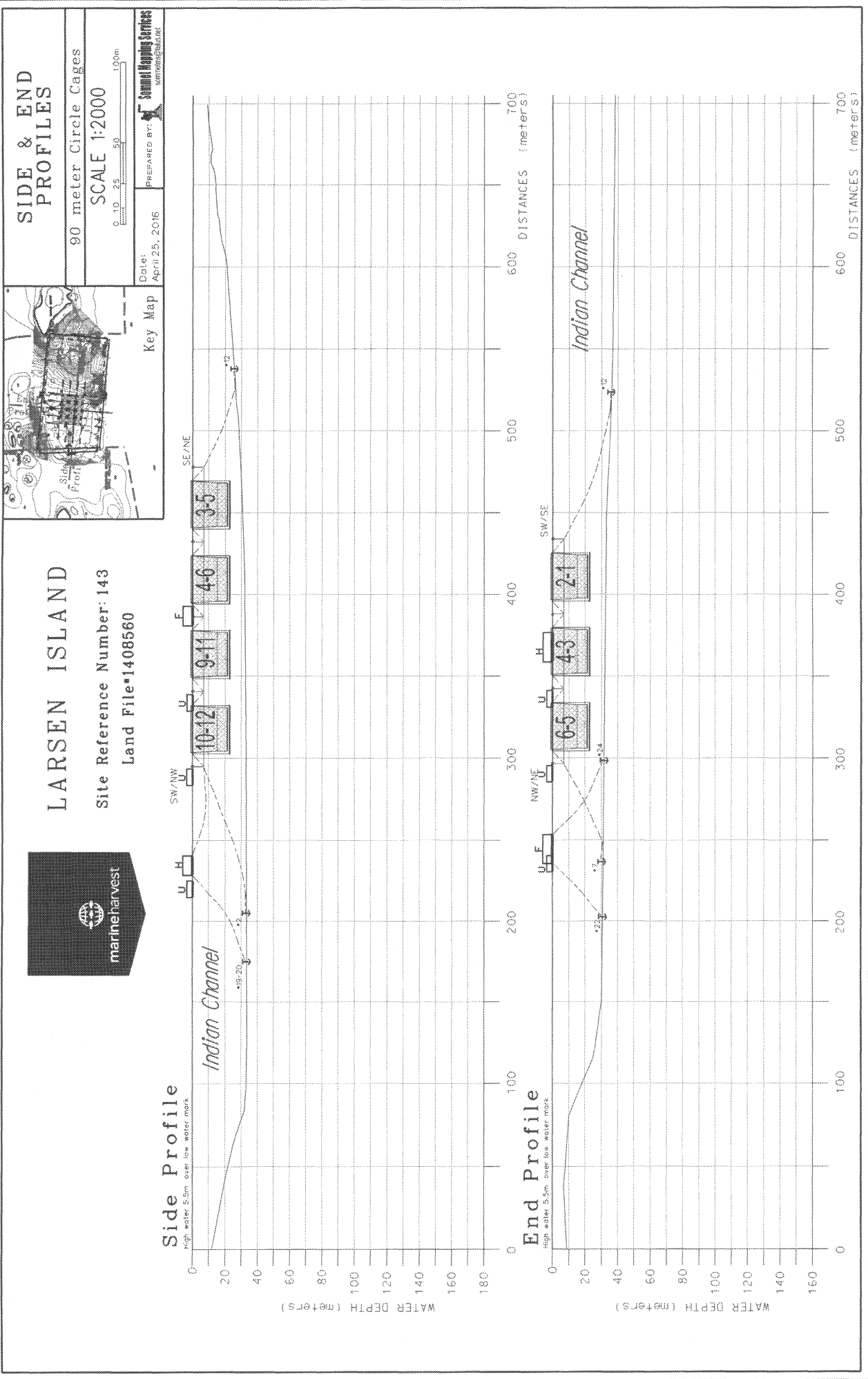


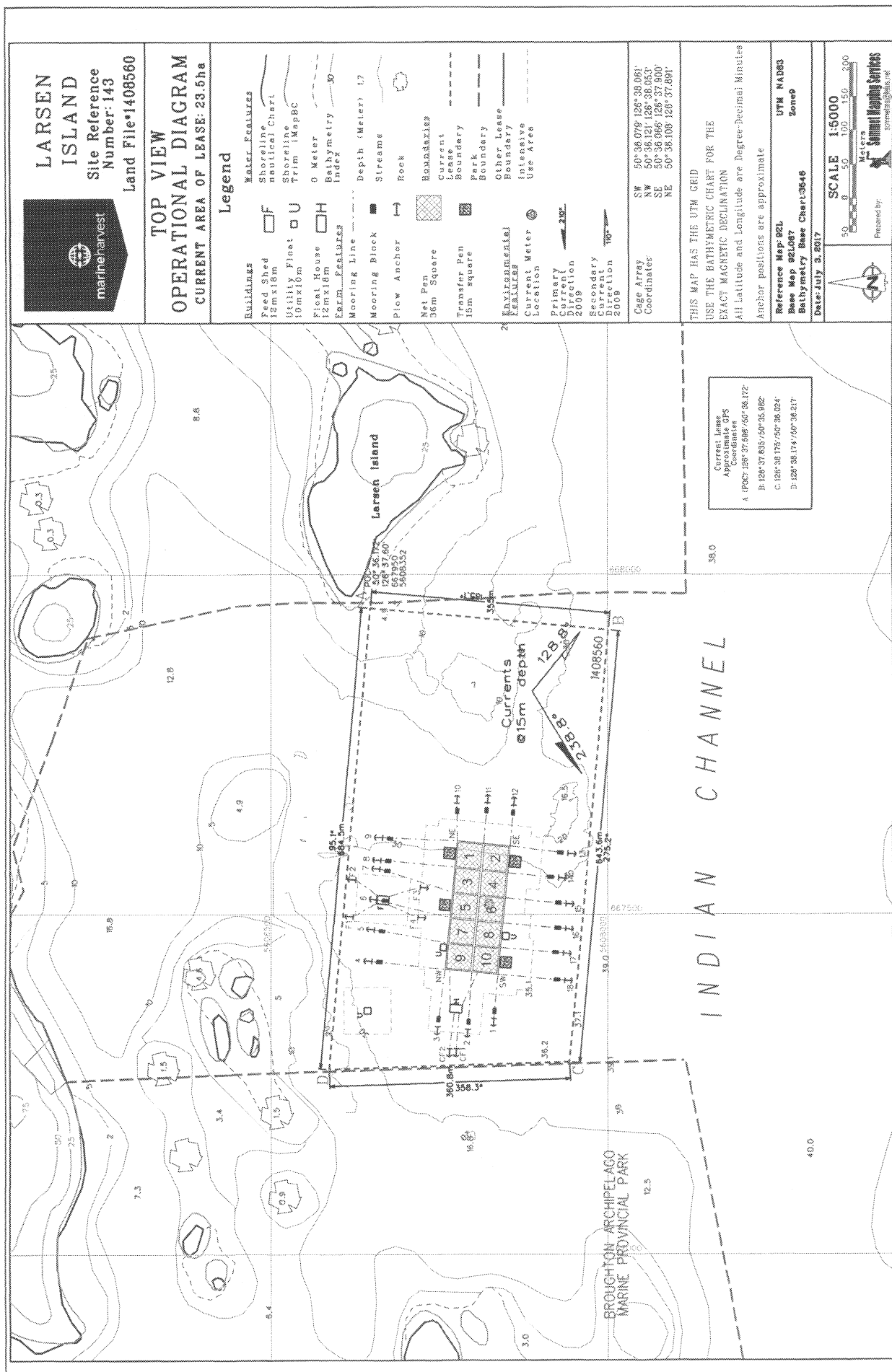


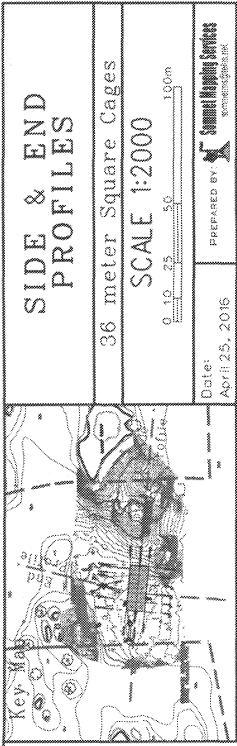












**LARSEN ISLAND**  
Site Reference Number: 143  
Land File #1408560



# SIDE & END PROFILES

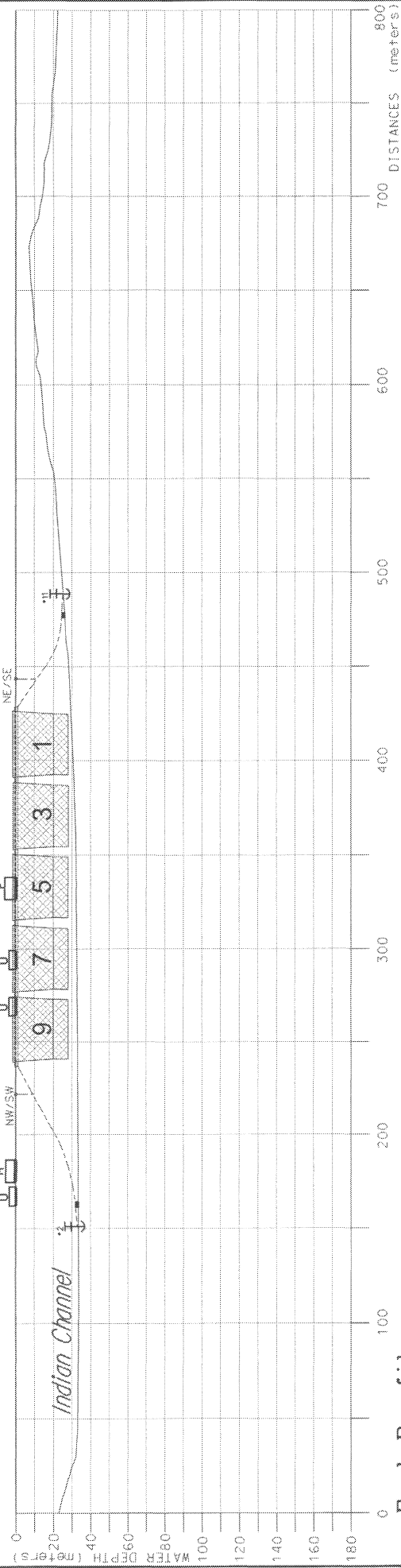
36 meter Square Cages

SCALE 1:2000

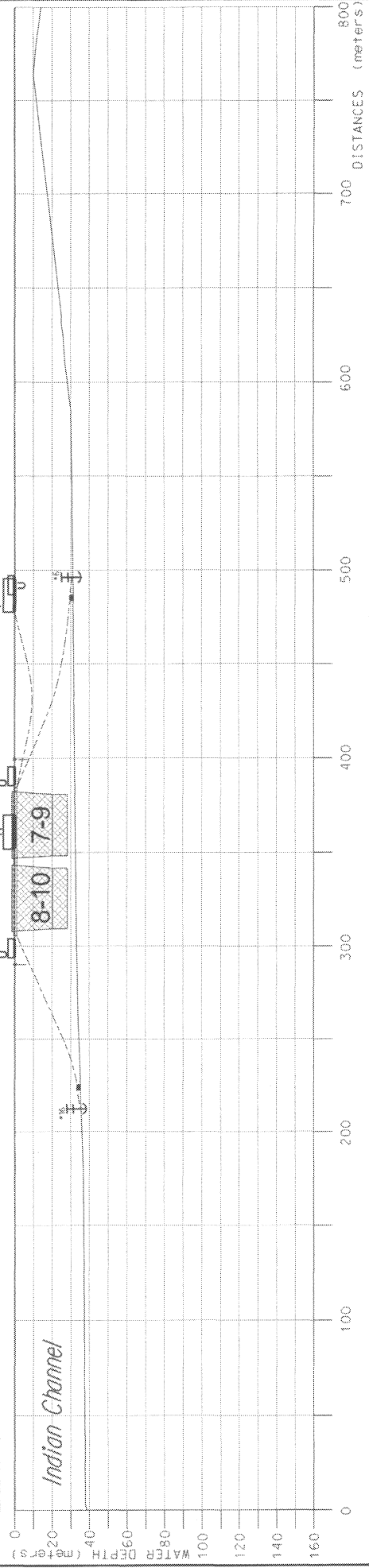
0 10 25 50 100m

Date: April 25, 2016  
Prepared by: Canadian Mapping Services

Side Profile



End Profile



## **Attachment #2**

### **Part I - General Applicant Information**

#### **Section E: Maps, Diagrams, and Additional Required Documents**

7.	Intensive Use Area of Site
----	----------------------------



**INTENSIVE USE AREA**  
**Site Name:** Larsen Island **Date:** July 6, 2017

**Approved 3x4 90m circles**

<b>Circle Cages</b>	61	3	rows of	4	cages
cage size (m)	width	length	width	length	m <sup>2</sup>
area at sea level	183	244	304	73872	m <sup>2</sup>
Intensive use area	243	304	73872	m <sup>2</sup>	

**Float House**

<b># of float houses:</b>	1	width	length	m <sup>2</sup>
area at sea level	12	18	216	
Intensive use area	72	78	5616	
Total Intensive Use Area			5616	m <sup>2</sup>

**Feed Shed**

<b># of feed sheds:</b>	1	width	length	m <sup>2</sup>
area at sea level	12	18	216	
Intensive use area	72	78	5616	
Total Intensive Use Area			5616	m <sup>2</sup>

**Utility Floats**

<b># of utility floats:</b>	0	width	length	m <sup>2</sup>
area at sea level	0	0	0	
Intensive use area	60	60	0	
Total Intensive Use Area			0	m <sup>2</sup>

**Transfer pens**

<b># of transfer pens:</b>	4	width	length	m <sup>2</sup>
area at sea level	15	15	225	
Intensive use area	75	75	5625	
Total Intensive Use Area			22500	m <sup>2</sup>

Circle Cages	73872
Float House	5616
Feed Shed	5616
Utility Floats	0
Transfer pens	22500
<b>Total</b>	<b>107504 m<sup>2</sup></b>
	10.8 Hectares

**Approved 36m square cages**

<b>Square Cages</b>	36	2	rows of	5	cages
cage size (m)	width	length	width	length	m <sup>2</sup>
area at sea level	76	187	14212	m <sup>2</sup>	
Intensive use area	136	247	33592	m <sup>2</sup>	

**Float House**

<b># of float houses:</b>	1	width	length	m <sup>2</sup>
area at sea level	12	18	216	
Intensive use area	72	78	5616	
Total Intensive Use Area			5616	m <sup>2</sup>

**Feed Shed**

<b># of feed sheds:</b>	1	width	length	m <sup>2</sup>
area at sea level	12	18	216	
Intensive use area	72	78	5616	
Total Intensive Use Area			5616	m <sup>2</sup>

**Utility Floats**

<b># of utility floats:</b>	3	width	length	m <sup>2</sup>
area at sea level	10	10	100	
Intensive use area	70	70	4900	
Total Intensive Use Area			14700	m <sup>2</sup>

**Transfer pens**

<b># of transfer pens:</b>	4	width	length	m <sup>2</sup>
area at sea level	15	15	225	
Intensive use area	75	75	5625	
Total Intensive Use Area			22500	m <sup>2</sup>

Square Cages	33602
Float House	5616
Feed Shed	5616
Utility Floats	14700
Transfer pens	22500
<b>Total</b>	<b>83024 m<sup>2</sup></b>
	8.2 Hectares

**Proposed 30m cages**

<b>Square Cages</b>	30	2	rows of	6	cages
cage size (m)	width	length	width	length	m <sup>2</sup>
area at sea level	64	183	12032	m <sup>2</sup>	
Intensive use area	124	248	30752	m <sup>2</sup>	

**Float House**

<b># of float houses:</b>	1	width	length	m <sup>2</sup>
area at sea level	12	18	216	
Intensive use area	72	78	5616	
Total Intensive Use Area			5616	m <sup>2</sup>

**Feed Shed**

<b># of feed sheds:</b>	1	width	length	m <sup>2</sup>
area at sea level	12	18	216	
Intensive use area	72	78	5616	
Total Intensive Use Area			5616	m <sup>2</sup>

**Utility Floats**

<b># of utility floats:</b>	3	width	length	m <sup>2</sup>
area at sea level	10	10	100	
Intensive use area	70	70	4900	
Total Intensive Use Area			14700	m <sup>2</sup>

**Transfer pens**

<b># of transfer pens:</b>	4	width	length	m <sup>2</sup>
area at sea level	15	15	225	
Intensive use area	75	75	5625	
Total Intensive Use Area			22500	m <sup>2</sup>

Square Cages	30752
Float House	5616
Feed Shed	5616
Utility Floats	14700
Transfer pens	22500
<b>Total</b>	<b>79184 m<sup>2</sup></b>
	7.9 Hectares



## **Attachment #3**

### **Part III - Information for Fisheries and Oceans Canada (DFO)**

#### **Section C: Wild Fish, Fish Habitat and Siting Considerations**

C1: Modeling		
	1.1	Diagram of Prediction at Maximum Feed Rate (2x6 30m square cages)
	1.2	Diagram of Prediction at Average Feed Rate (2x6 30m square cages)
	1.1	Diagram of Prediction at Maximum Feed Rate (3x4 90m circle cages)
	1.2	Diagram of Prediction at Average Feed Rate (3x4 90m circle cages)
	1.1	Diagram of Prediction at Maximum Feed Rate (2x5 36m square cages)
	1.2	Diagram of Prediction at Average Feed Rate (2x5 36m square cages)
	1.3	Summary Tables and Results

Figure 1. Predicted 'Carbon Flux' contours (gC/m<sup>2</sup>/day) at the Larsen Island site based on the proposed 2x6 30m circle cage configuration and 1800mt and a maximum feed rate of 1.185kg/cage/day.

Larsen Island Dec 2015  
 2x6 (30m x 25m)  
 Max Feed Rate 1185 kg/cage/day  
 Current Meter Depths (15m, 29m)  
 Hourly Averaged  
 Resuspension Off  
 5g Carbon Flux avg (23,504m<sup>2</sup>)

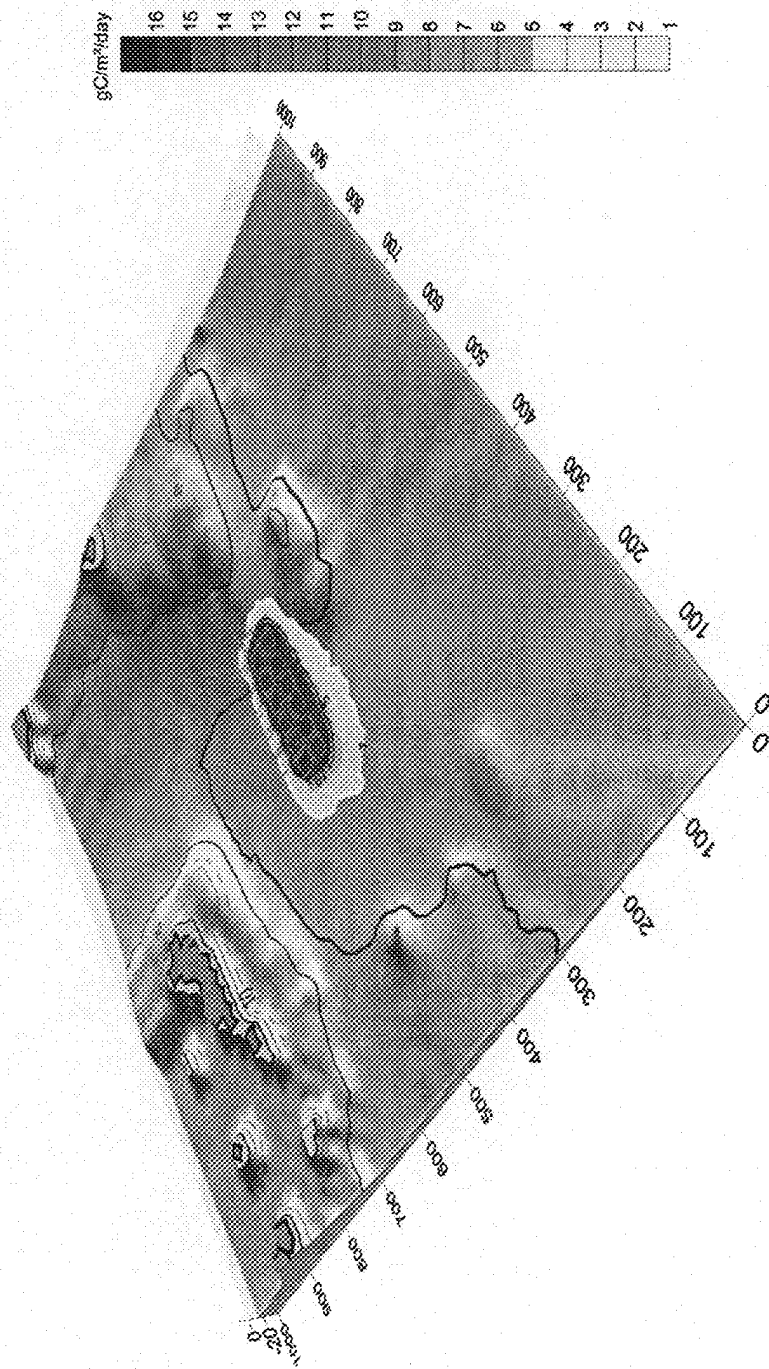


Figure 2. Predicted 'Carbon Flux' contours (gC/m<sup>2</sup>/day) at the Larsen Island site based on the proposed 2x6 30m circle cage configuration and 1800mt and an average feed rate of 542kg/cage/day.

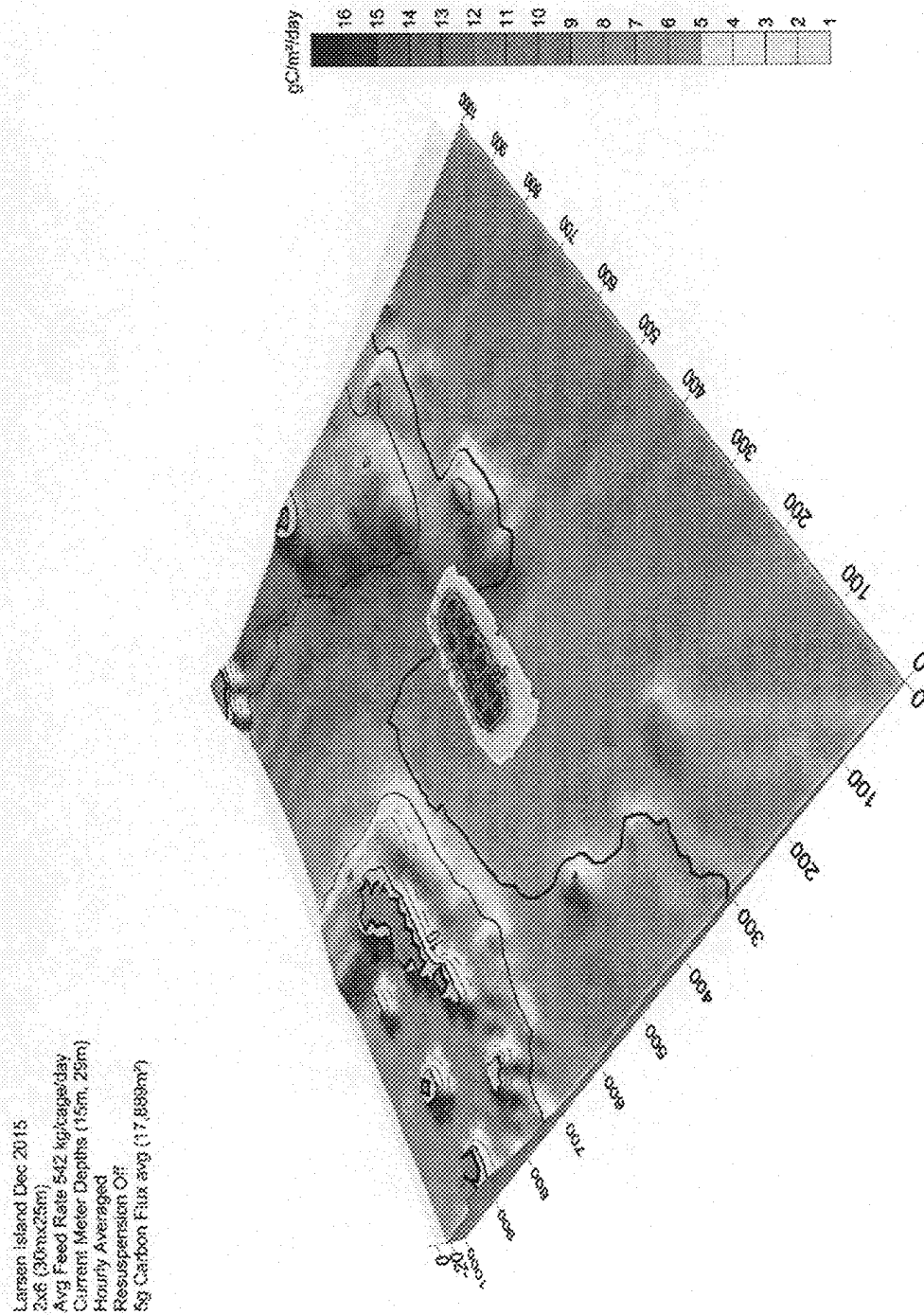


Figure 3. Predicted 'Carbon Flux' contours ( $\text{gC}/\text{m}^2/\text{day}$ ) at the Larsen Island site based on the original 3x4 90m circle cage configuration and **1800mt** and a maximum feed rate of 1,185 kg/cage/day.

Larsen Island Dec 2015  
 3x4 (90mx15m)  
 Max Feed Rate 1185 kg/cage/day  
 Current Meter Depths (15m, 20m)  
 Hourly Averaged  
 Resuspension Off  
 5g Carbon Flux avg (30.598m<sup>2</sup>)

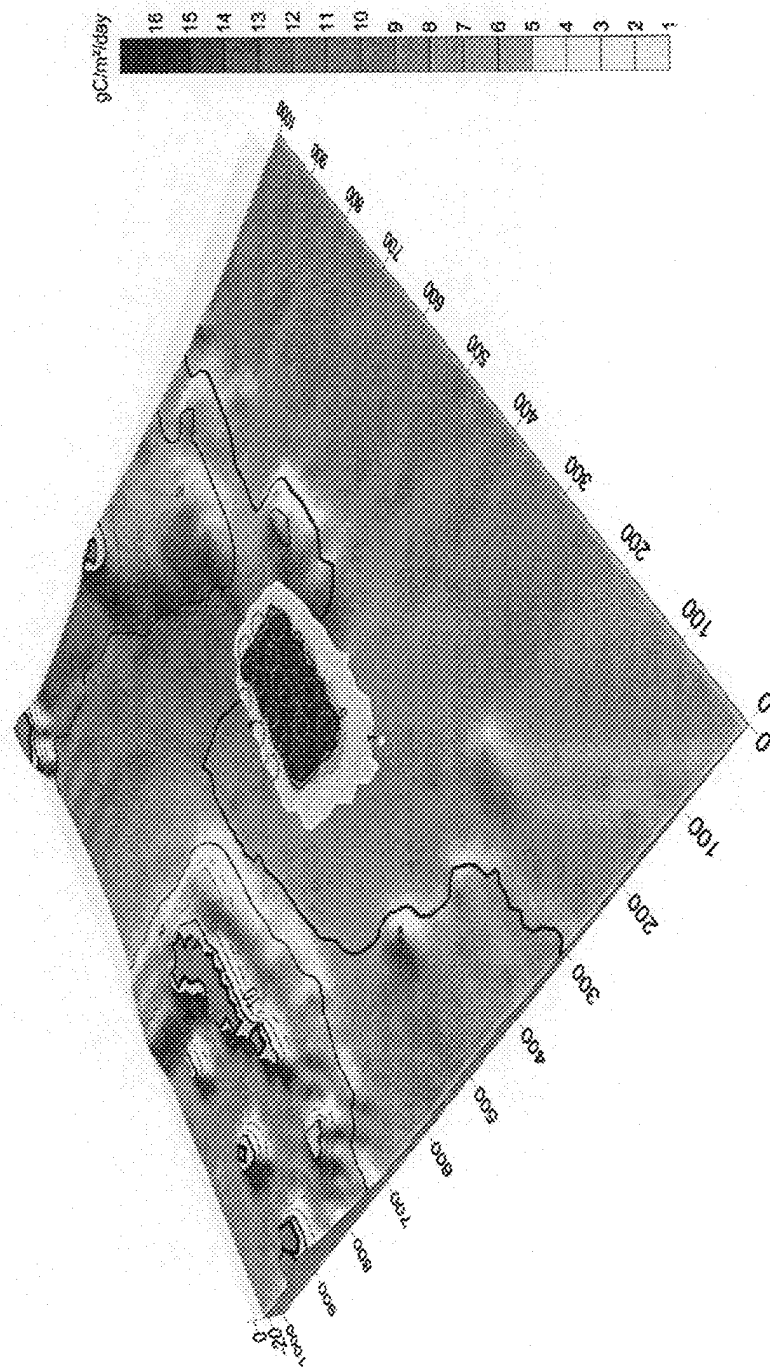


Figure 4. Predicted 'Carbon Flux' contours ( $\text{gC}/\text{m}^2/\text{day}$ ) at the Larsen Island site based on the original 3x4 90m circle cage configuration and 1800mt and an average feed rate of 542 kg/cage/day.

Larsen Island Dec 2015  
 3x4 (90mx19m)  
 Avg Feed Rate 542 kg/cage/day  
 Current Meter Depths (15m, 29m)  
 Hourly Averaged  
 Resuspension Off  
 5g Carbon Flux avg (23.150m<sup>2</sup>)

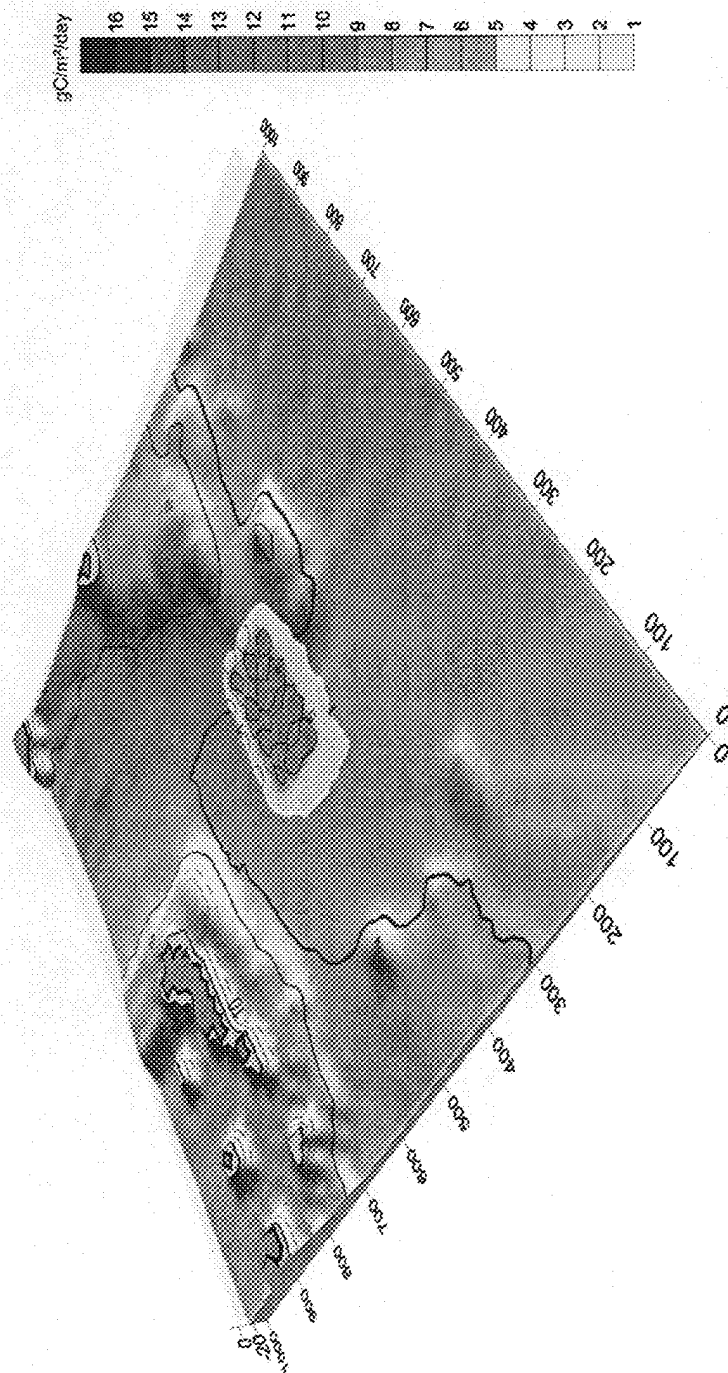


Figure 5. Predicted 'Carbon Flux' contours ( $\text{gC}/\text{m}^2/\text{day}$ ) at the Larsen Island site based on the proposed 2x5 36m circle cage configuration and 1800mt and an maximum feed rate of 1422kg/cage/day.

Larsen Island Dec 2013  
 2x5 (36mx25m)  
 Max Feed Rate 1422 kg/cage/day  
 Current Meter Depths (15m, 29m)  
 Hourly Averaged  
 Resuspension Cliff  
 5g Carbon Flux avg (25,062 $\text{m}^2$ )

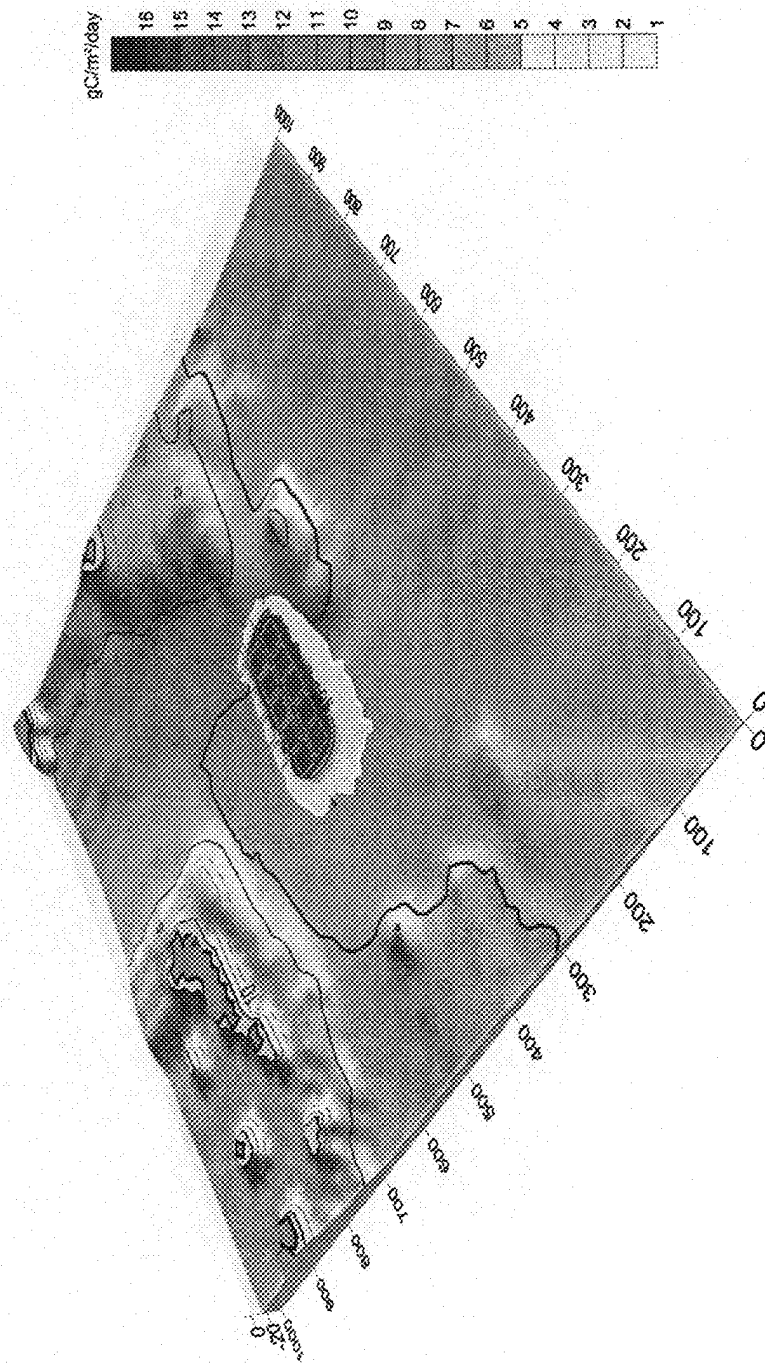


Figure 6. Predicted 'Carbon Flux' contours (gC/m<sup>2</sup>/day) at the Larsen Island site based on the proposed 2x5 36m circle cage configuration and 1800mt and an average feed rate of 542kg/cage/day.

Larsen Island Dec 2015  
 2x5 (36mx23m)  
 Avg Feed Rate 650 kg/cage/day  
 Current Meter Depths (15m, 29m)  
 Hourly Averaged  
 Resuspension Off  
 5g Carbon Flux avg (18.845m<sup>2</sup>)

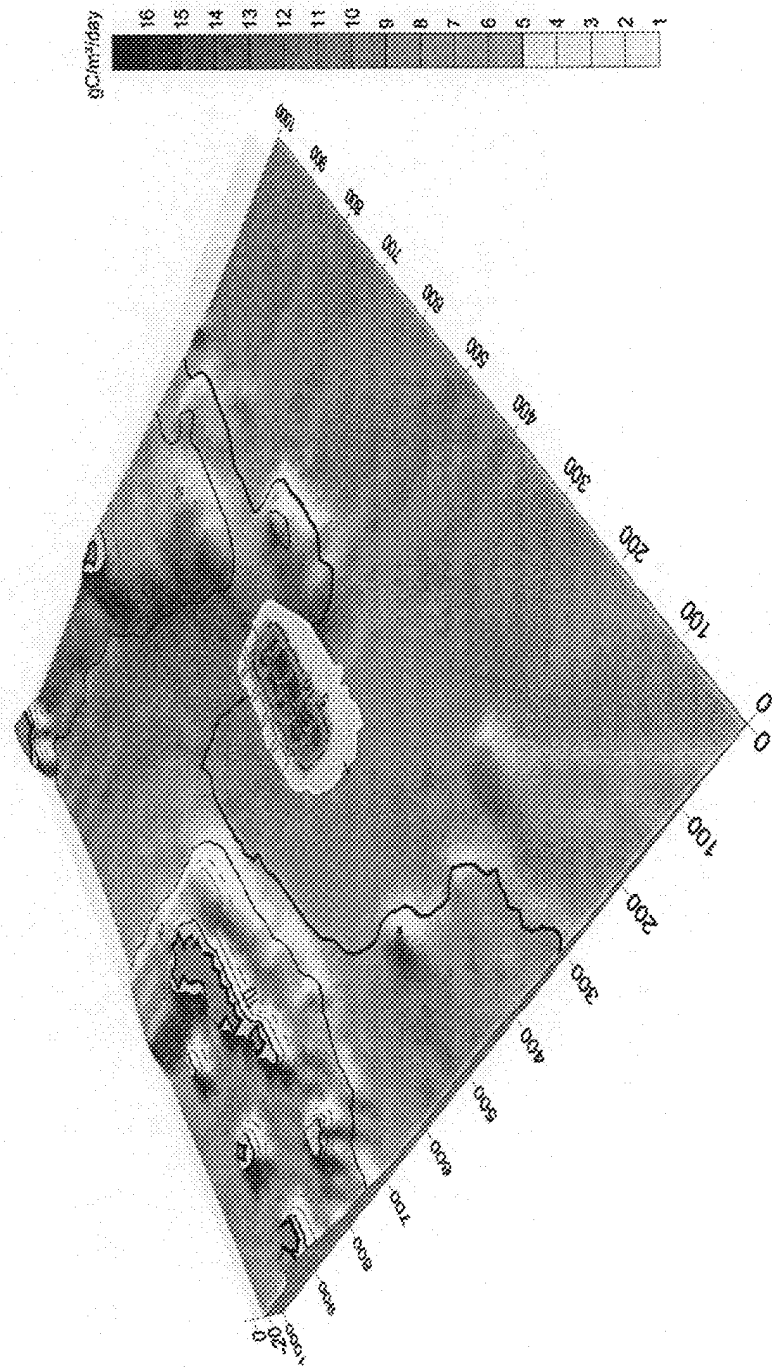




Table 1. Feed rates and predicted 5g 'Carbon Flux' averages for the original and proposed containment structure arrays at the Doyle Island site.

Configuration	Cage Type	Cage Size	Maximum Allowable Biomass (MAB)	Feed Rate (kg/cage/day)		5g Carbon Flux Avg (m <sup>3</sup> )		Previously Approved Configuration?
				Maximum	Average	Maximum	Average	
2x6	Square	30m	1800mt	1185	542	23,504	17,889	no
3x4	Circle	90m	1800mt	1185	542	30,598	23,158	Yes
2x5	Square	36m	1800mt	1422	650	25,062	18,845	yes

Table 2. DEPOMOD simulation input data.

Number of pens (Original)		12		Number of pens (Proposed)		12	
Grouping		3 rows of 4		Grouping		2x6	
Pen Type/size		90m circles		Pen Type/size		120m circles	
Pen Depth		15m		Pen Depth		25m	
Number of current velocity data sets used		2		Number of current velocity data sets used		2	
Heights of mooring above sea bed		15m and 29m		Heights of mooring above sea bed		15m and 29m	
Depth of water column at mooring		34m		Depth of water column at mooring		34m	
Length of current velocity record		30 days		Length of current velocity record		30 days	
Sampling interval (mins)		20		Sampling interval (mins)		20	
Time step of data used in model		averaged hourly		Time step of data used in model		averaged hourly	
Total number of time steps used in model		720		Total number of time steps used in model		720	
Bathymetry from		OLEX		Bathymetry from		OLEX	
Approx. Farm production		1800mt		Approx. Farm production		1800mt	
Length of Production Cycle		360		Length of Production Cycle		360	



## **Attachment #4**

### **Part III - Information for Fisheries and Oceans Canada (DFO)**

#### **Section C: Wild Fish, Fish Habitat and Siting Considerations**

1.4	Current Data
-----	--------------

### D3: Currents Metering

Current velocity and tidal water circulation studies for Larsen Island were conducted over a period of one month as required by DFO. The maximum depth at the Larsen Island lease site is approximately 40m below low tide. Current velocity and direction characteristics were collected at 15m below the surface and 5m off the bottom. Summary information for the two depths: 15m and 29m are shown in Table 1. The water column exhibits moderate, homogenous currents, averaging 4.5 cm/sec.

**Table 1.** Summary of Hydrographic Data at Larsen Island (January 2009).

Depth (m)	Average Speed (cm/s)	Peak Speed (cm/s)	Dominant Current Direction (° Mag)	Subdominant Current Direction (° Mag)
15	4.5	19.1	220	130
29	4.6	24.1	210	360

#### Equipment

Aanderaa Instruments RCM9 Doppler Current Sensor.

#### Deployment Procedures

Synchronous collection of depth data using two RCM9 current meters at two depth levels.  
30 minute recording interval.

#### Current Meter Moorings and deployment Location

The RCM9's were deployed in the area of the approved cage locations (Figure 1.) using a 150lb anchor to submerge the meters. A subsurface float above the top meter kept the mooring line taught.

Latitude 50 36.084

Longitude 127 37.966

## Data Processing and Reporting

The RCM9's were set for deployment using the electronic board control switches. Data is downloaded directly from the instrument and entered into a calibration coefficient file specific to that instrument. Data was then loaded into the EXCEL Hydrographic data analysis toolkit "HGDA XLS" for QA/QC.

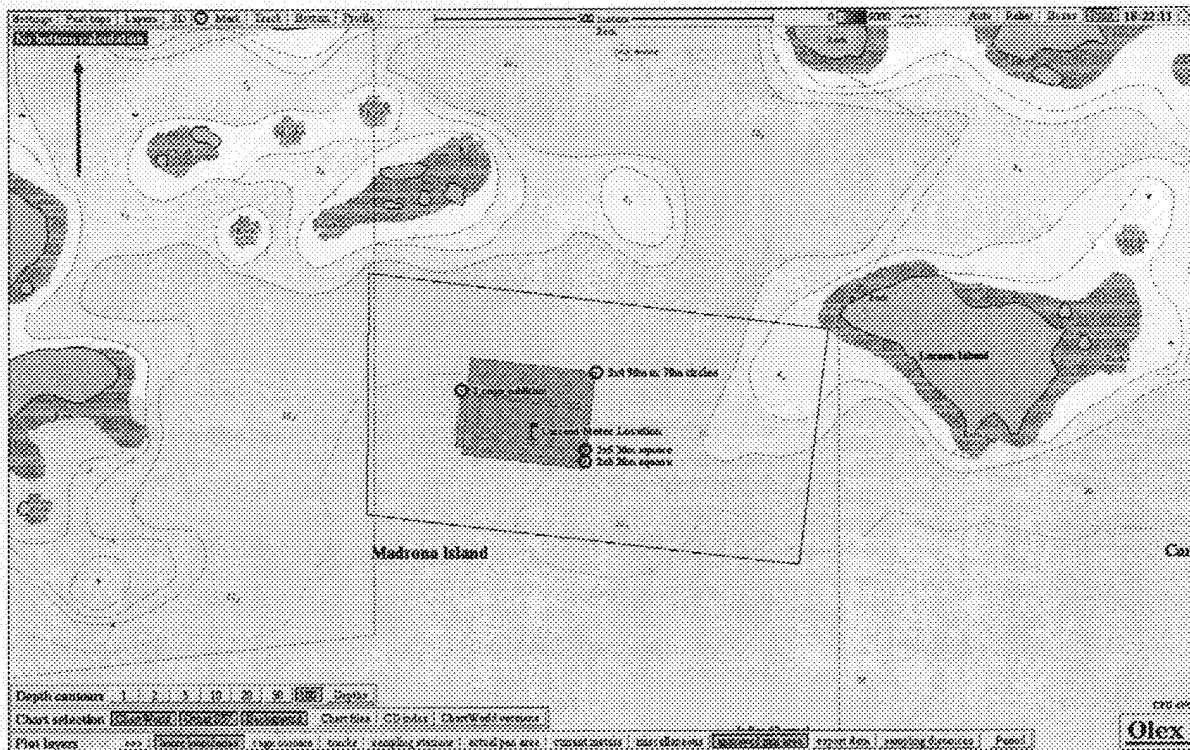
Current directions are degrees magnetic.

HGDA.XLS results for 15m and 29m (bottom+5m) depths are attached.

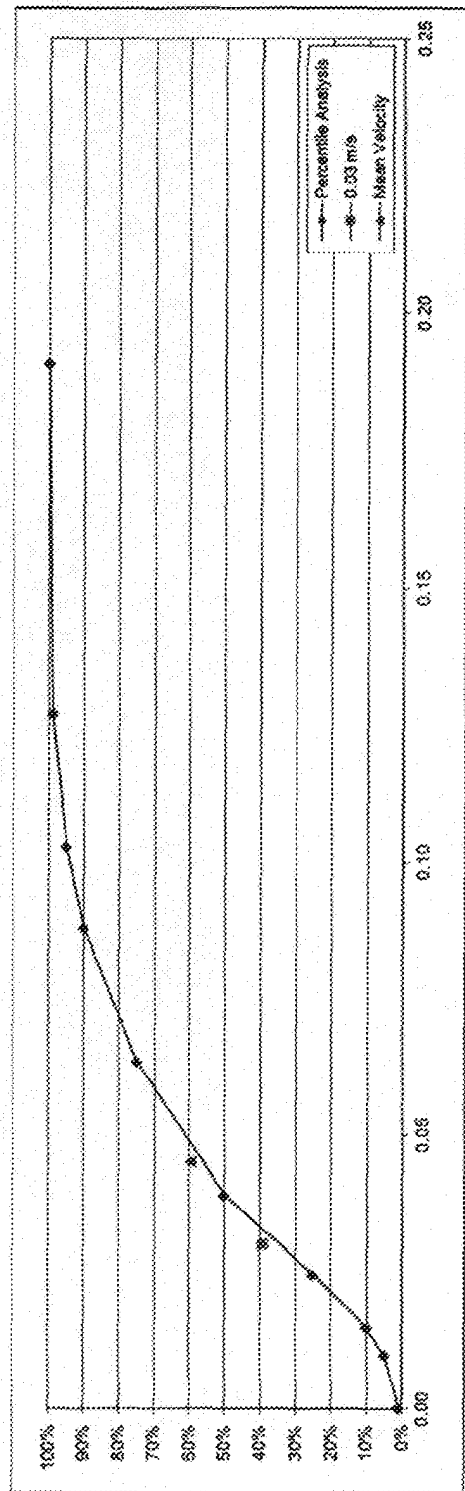
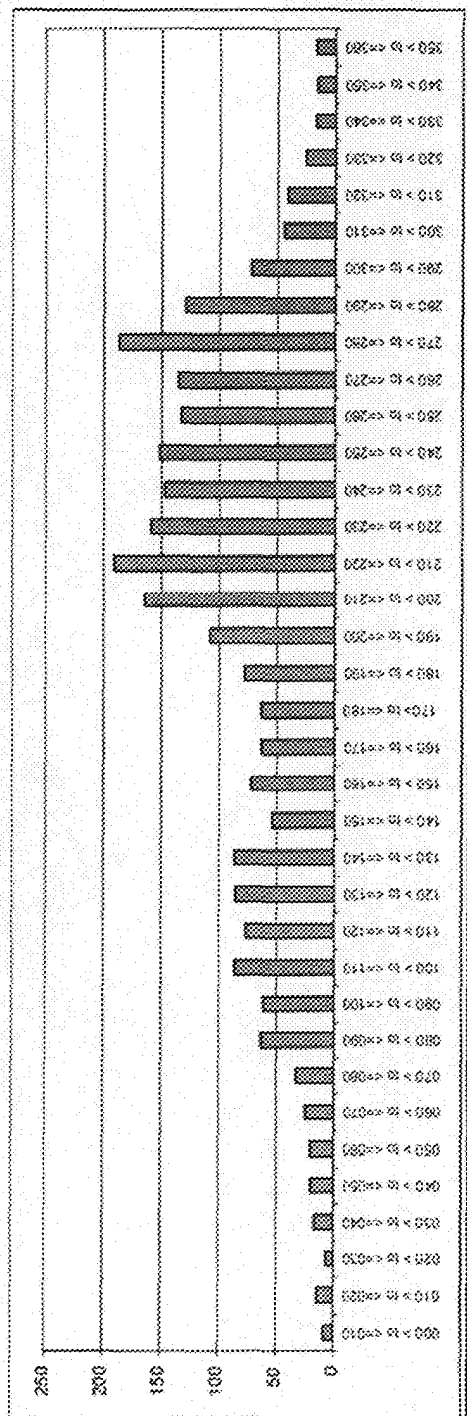
## Contact person responsible for collecting and reporting the current measurements:

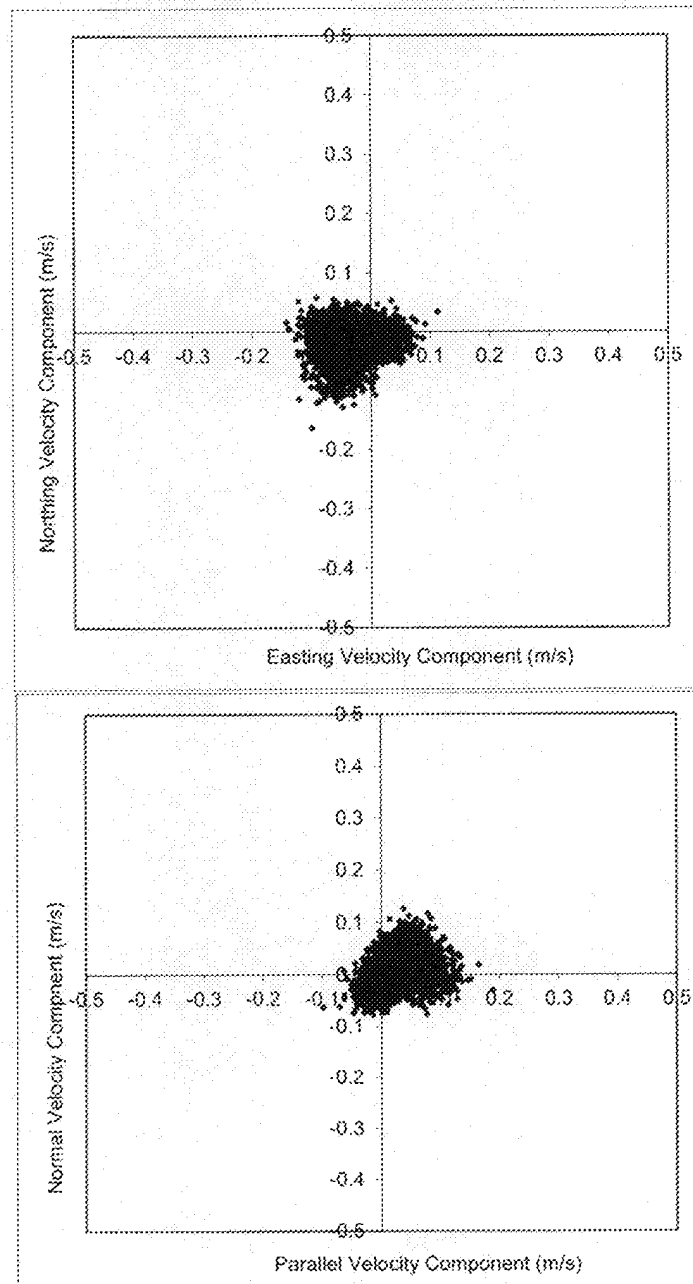
Marine Harvest Canada)

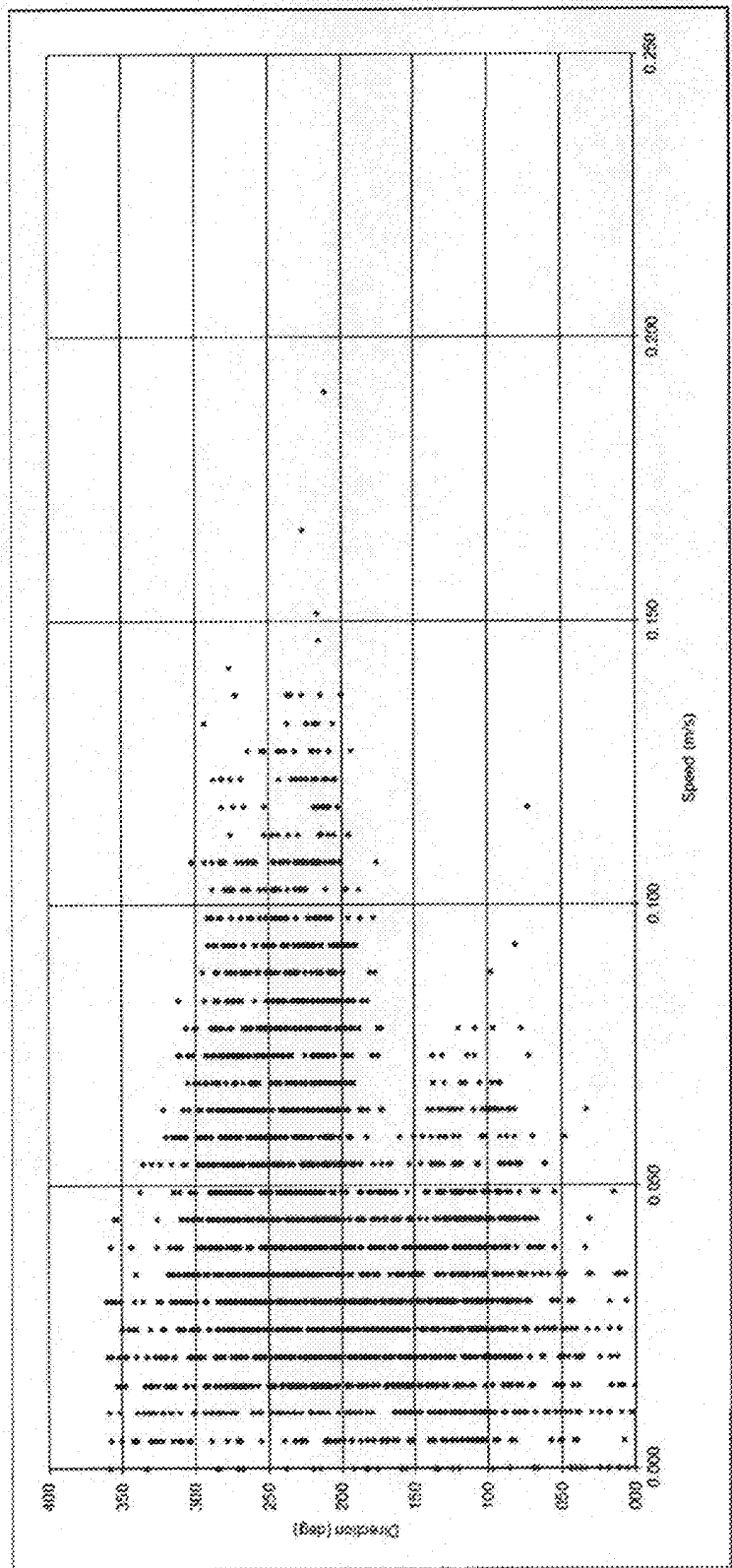
**Figure 1.** Location of the January 2009 current meter deployment at Larsen Island relative to the cage array.

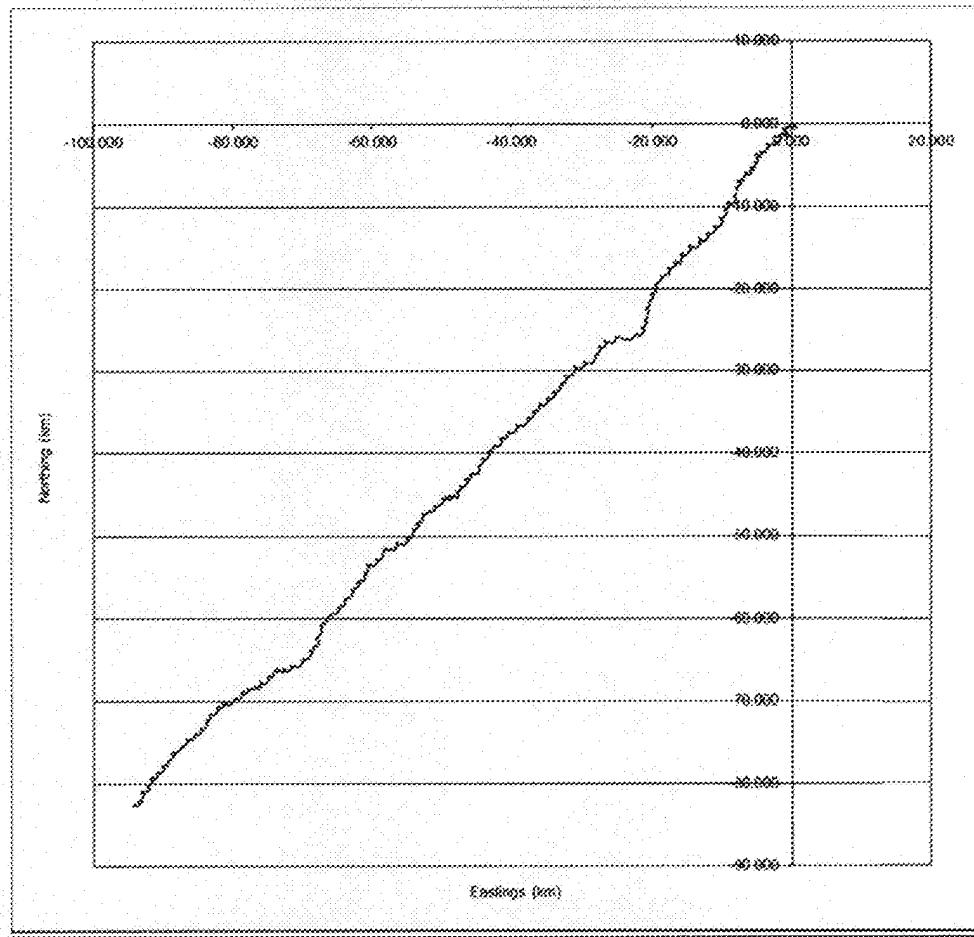


Site Name	Larsen 15m
Number of Records	2686
Start Time	20/01/2009 14:49:00
End Time	17/03/2009 13:18:00
Speed	
Max	0.191
Min	0.000
Mean	0.045
Major Axis (+ve)	220
Minor Axis (+ve)	310
Time Interval	30
Parallel Component	
Max	0.188
Min	-0.099
Mean	0.026
Normal Component	
Max	0.126
Min	-0.077
Mean	0.004
Residual Current	
Speed	0.026
Direction	228.711
Major Axis (-ve)	40
Minor Axis (-ve)	130
Date/Time Data	
Days	55
Hours	22
Mins	29

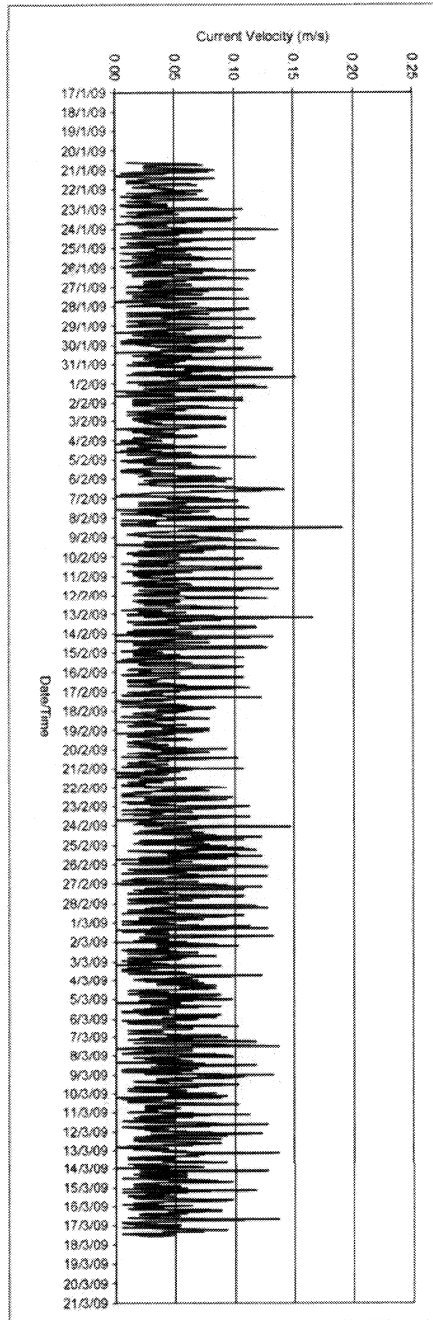
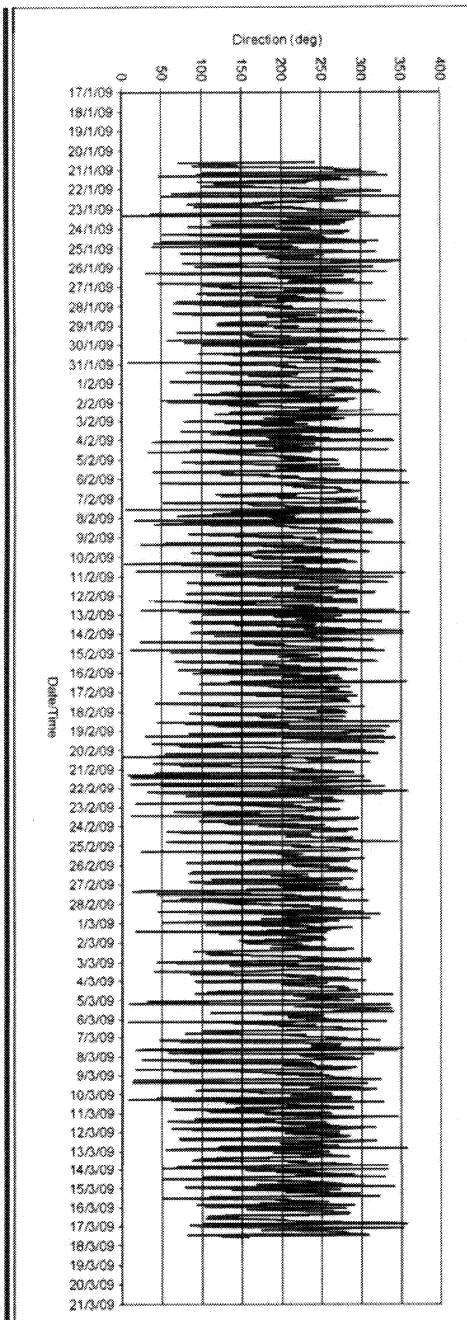






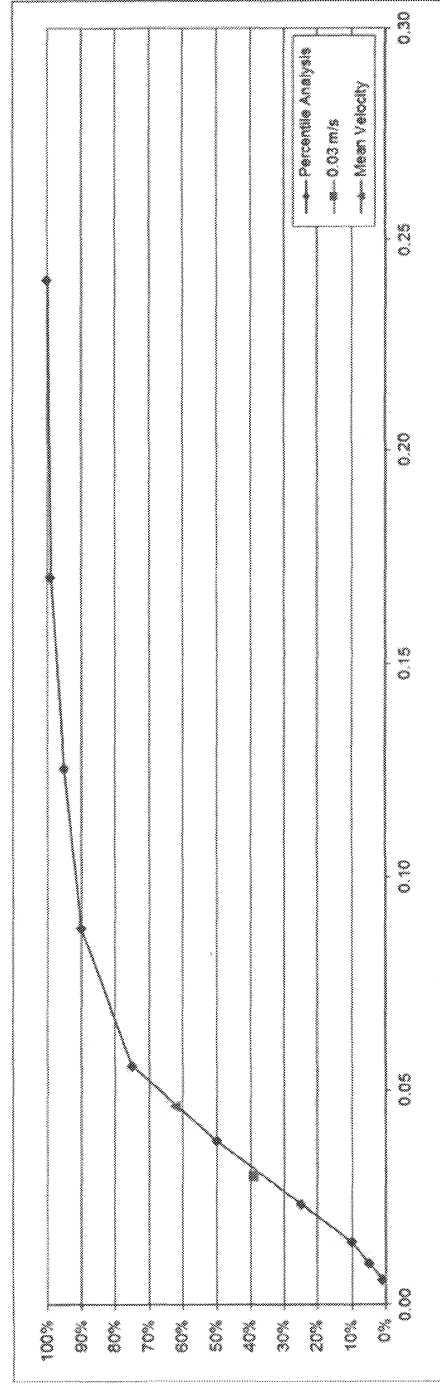
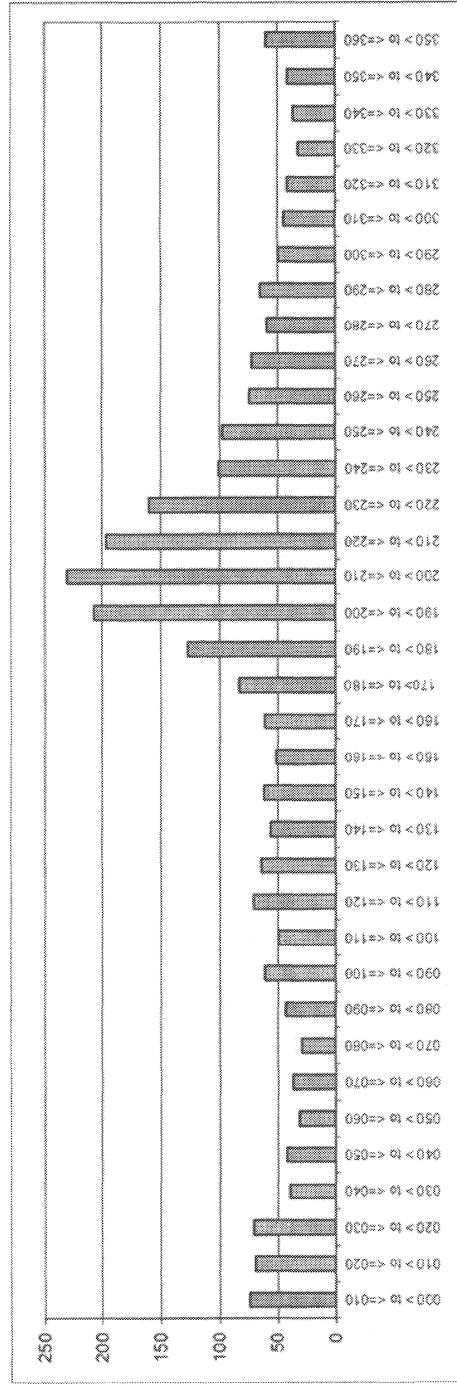


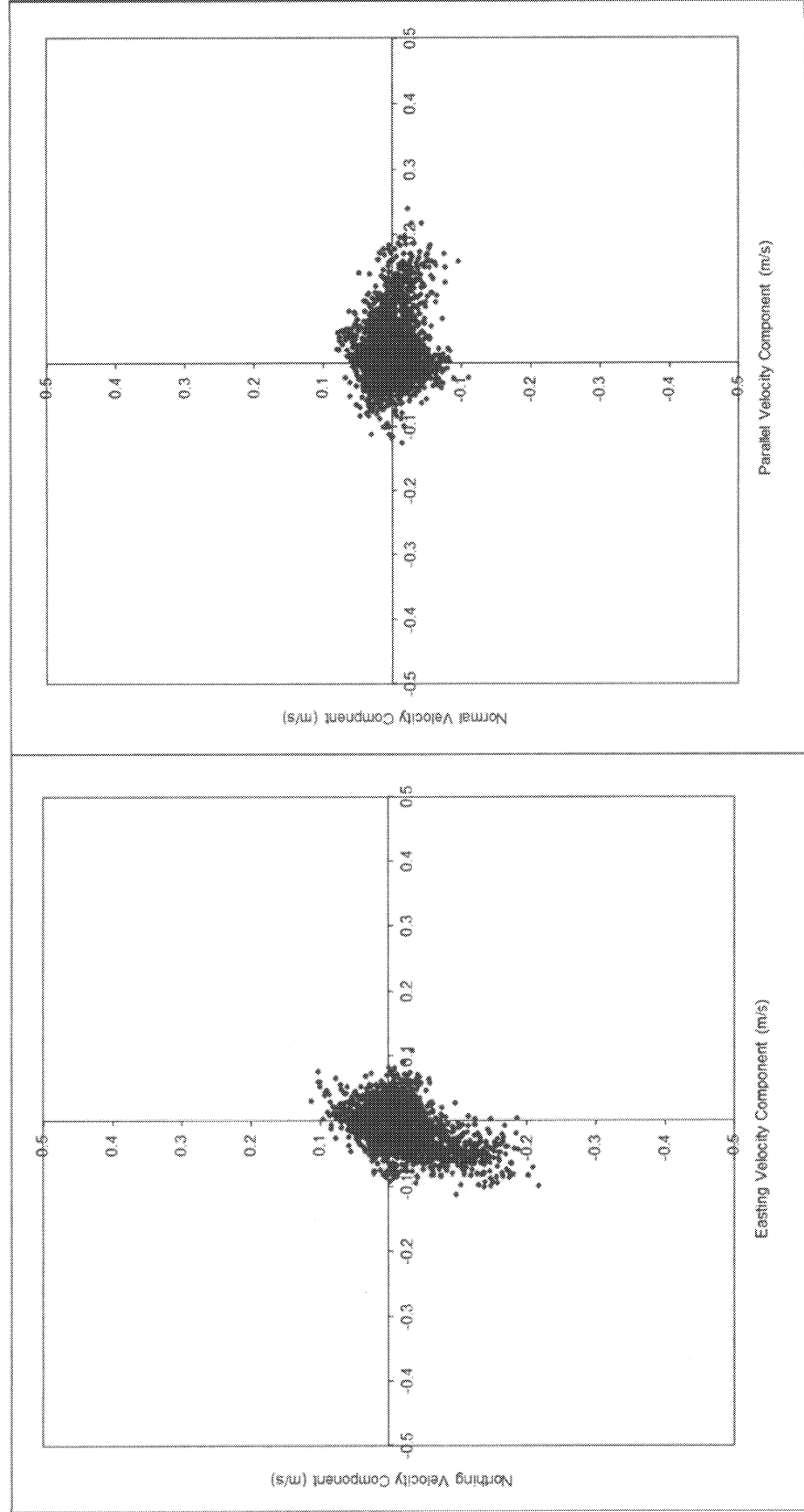


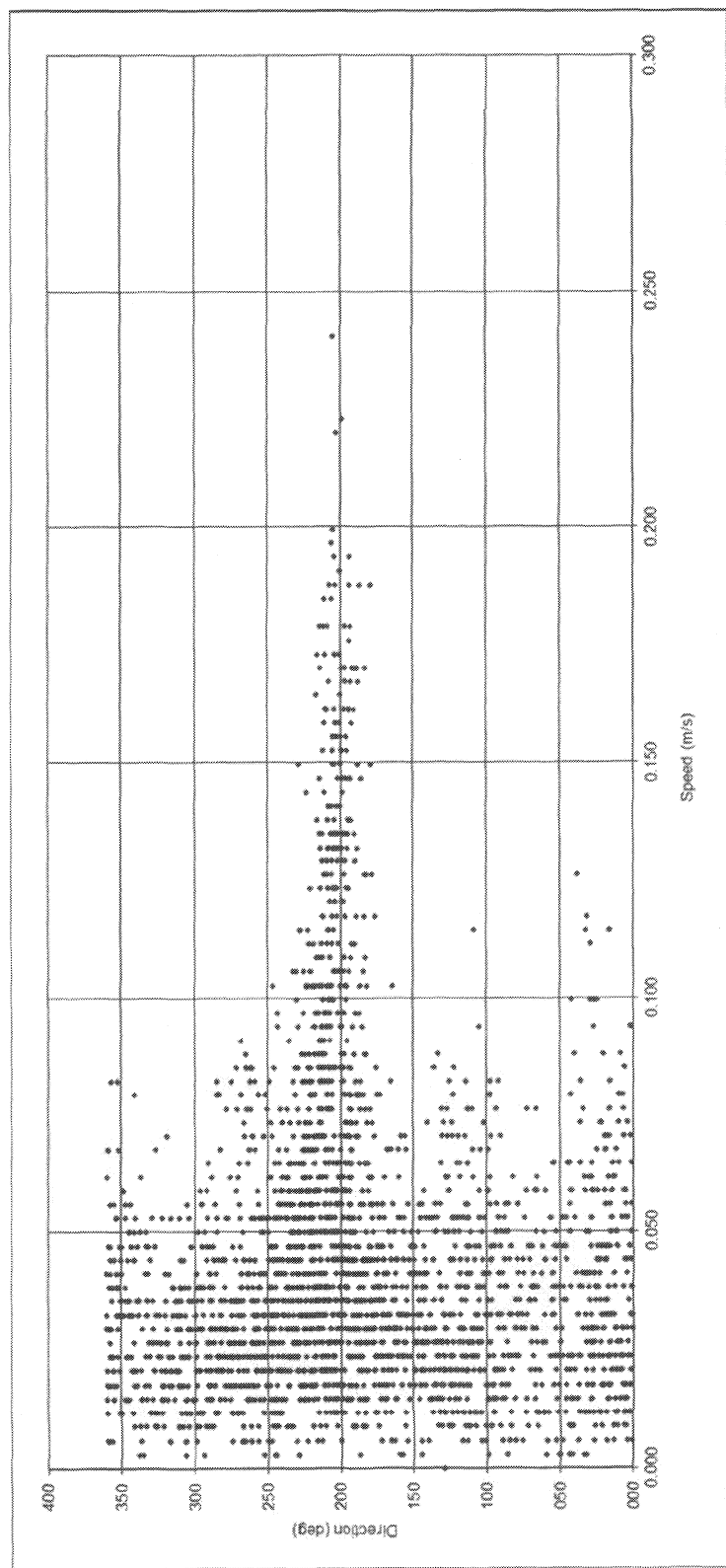


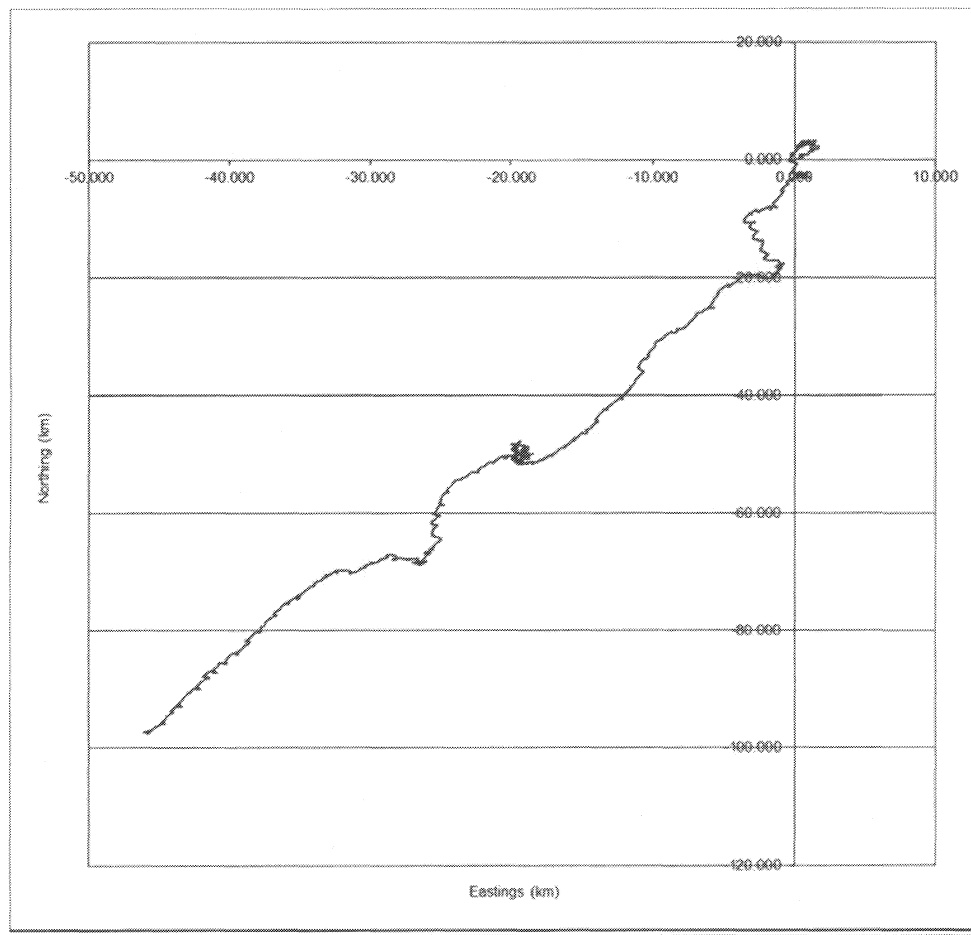
Direction	Freq	Speed	Freq	Percentile	Current Speed
000 > to <=010	9	0.000 > to <=0.030	39.16605	1%	0.00
010 > to <=020	15	0.030 > to <=0.050	25.83768	5%	0.01
020 > to <=030	7	0.050 > to <=0.075	19.09903	10%	0.01
030 > to <=040	17	0.075 > to <= 0.100	10.46165	25%	0.02
040 > to <=050	21	0.100 > to <=0.125	4.206999	50%	0.04
050 > to <=060	21	0.125 > to <=0.150	1.116902	75%	0.06
060 > to <=070	25	> 0.150	0.11169	90%	0.09
070 > to <=080	33			95%	0.10
080 > to <=090	64			99%	0.13
090 > to <=100	62			100%	0.19
100 > to <=110	87			0.39	0.0301
110 > to <=120	77			0.59	0.05
120 > to <=130	86				
130 > to <=140	87				
140 > to <=150	54				
150 > to <=160	72				
160 > to <=170	64				
170 > to <=180	64				
180 > to <=190	78				
190 > to <=200	108				
200 > to <=210	165				
210 > to <=220	191				
220 > to <=230	159				
230 > to <=240	147				
240 > to <=250	152				
250 > to <=260	133				
260 > to <=270	136				
270 > to <=280	187				
280 > to <=290	130				
290 > to <=300	73				
300 > to <=310	45				
310 > to <=320	41				
320 > to <=330	26				
330 > to <=340	17				
340 > to <=350	16				
350 > to <=360	17				

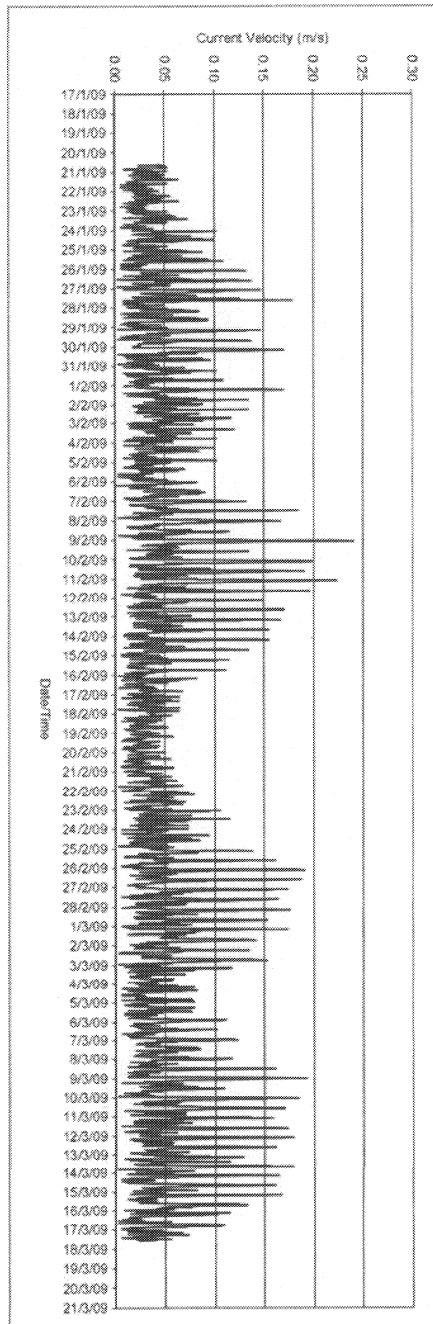
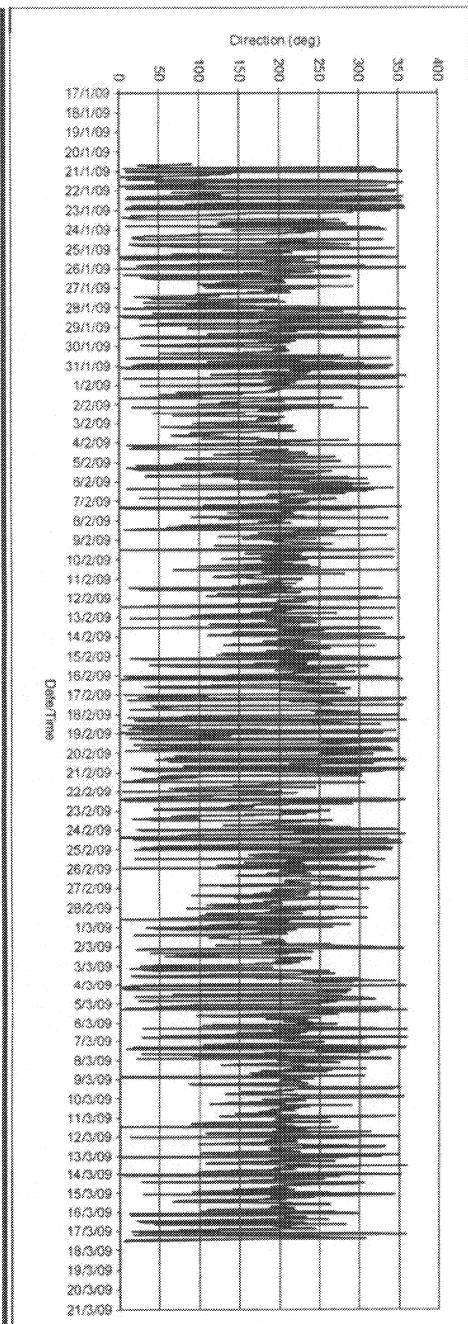
Site Name	Larsen bottom+5m
Number of Records	2686
Start Time	20/01/2009 14:41:00
End Time	17/03/2009 13:12:00
Speed	
Max	0.241
Min	0.000
Mean	0.046
Major Axis (+ve)	210
Minor Axis (+ve)	300
Time Interval	30
Parallel Component	
Max	0.239
Min	-0.125
Mean	0.022
Normal Component	
Max	0.079
Min	-0.112
Mean	-0.002
Residual Current	
Speed	0.022
Direction	205.272
Major Axis (-ve)	30
Minor Axis (-ve)	120
Date/Time Data	
Days	55
Hours	22
Mins	31













Direction	Freq	Speed	Freq	Percentile	Current Speed
000 > to <=010	74	0.000 > to <=0.030	39.09159	1%	0.01
010 > to <=020	69	0.030 > to <=0.050	29.74684	5%	0.01
020 > to <=030	71	0.050 > to <=0.075	18.19509	10%	0.01
030 > to <=040	39	0.075 > to <=0.100	6.887565	25%	0.02
040 > to <=050	42	0.100 > to <=0.125	3.052867	50%	0.04
050 > to <=060	31	0.125 > to <=0.150	2.680566	75%	0.06
060 > to <=070	37	> 0.150	2.345495	90%	0.09
070 > to <=080	29			95%	0.13
080 > to <=090	43			99%	0.17
090 > to <=100	61			100%	0.24
100 > to <=110	49			0.39	0.0301
110 > to <=120	71			0.62	0.05
120 > to <=130	64				
130 > to <=140	56				
140 > to <=150	62				
150 > to <=160	51				
160 > to <=170	61				
170 > to <=180	83				
180 > to <=190	127				
190 > to <=200	207				
200 > to <=210	231				
210 > to <=220	197				
220 > to <=230	160				
230 > to <=240	101				
240 > to <=250	97				
250 > to <=260	74				
260 > to <=270	72				
270 > to <=280	59				
280 > to <=290	65				
290 > to <=300	49				
300 > to <=310	44				
310 > to <=320	41				
320 > to <=330	32				
330 > to <=340	36				
340 > to <=350	41				
350 > to <=360	60				

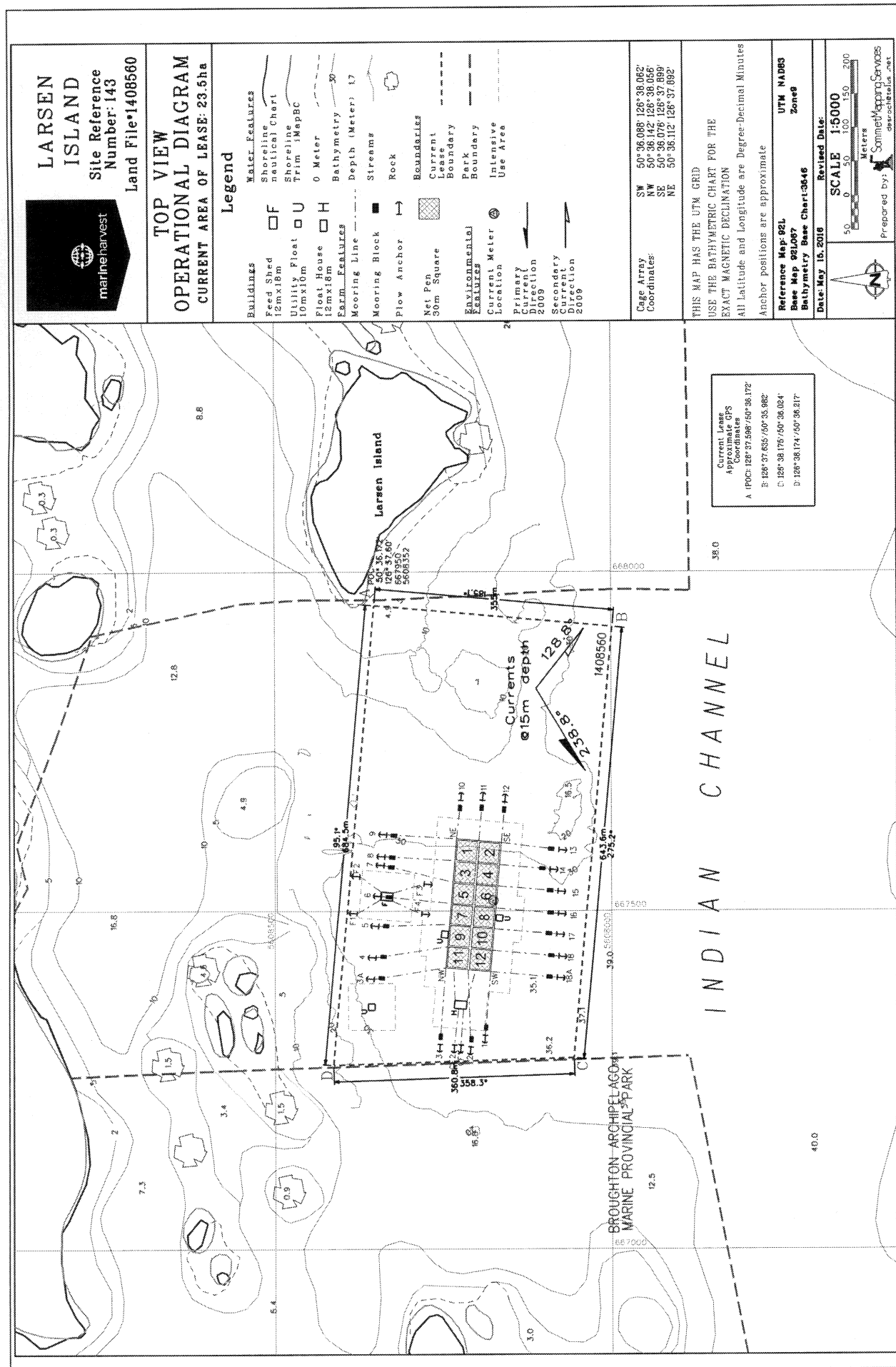
## **Attachment #5**

### **Part III - Information for Fisheries and Oceans Canada (DFO)**

#### **Section D: Management Plans**

	D2: Containment Array Management Plan
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A Containment Array Management Plan will be submitted after approval of the proposed application and anchoring of the site infrastructure has been completed as per licence requirements. The planned 2x6 30m operational infrastructure is attached below.



**Lim, Susan**

---

**From:** Lim, Susan  
**Sent:** July-11-17 1:34 PM  
**To:** Taekema, Bernie John; Scott, Melinda; Neuman, Amber; Shaw, Kerra  
**Cc:** John Mackie; Jim Johnson  
**Subject:** PRT Worksheet - MHC, Larsen Island - ATS 259322 Fac No. 143, Licence Amendment  
**Attachments:** PRT Worksheet ATS 259322 Larsen Island.docx

Hi everyone

Please find assigned to you in AQUIS, a Licence Amendment for Marine Harvest Canada, Larsen Island, Facility No. 143.

Please complete and return the attached worksheet to me by July 20, 2017.

You can find the application information located at:

X:\AMD Referral - PRT Information\PRT Applications - in process\FF - ATS 259322 - MHC - Larsen Island 143.

Jim and John: I have attached the worksheet for you to also complete and return to me prior to our next PRT meeting.

MHC is seeking to amend the infrastructure at our Larsen Island finfish aquaculture site. MHC would like to add two cages to the existing approved 2x5 30m square pen array. The proposed cage array would therefore be a 2x6 array of 30m square pens. The addition of the two cages would be lower fish densities in the cages, decrease the environmental impact under the cages, and result in better fish health due to the lowered densities.

The addition of the two cages meets the conditions of Incidental Aquaculture Use in that the Intensive Use Area of the 2x6 30m cage array is less than that of the original 3x4 90m circle cage that has been previously approved.

DEPOMOD predictions for the proposed 2x6 30m cage array represent an increase of 1.24% in the overall 5g carbon footprint from the previously approved 3x4 90m circle cage array.

Regards,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

## PRT Review and Recommendations

### APPLICATION:

- ☐ NEW – Crown Land - reply to FCBC  
☐ AMENDMENT – Crown Land (that includes tenure boundary change) – reply to FCBC  
☒ AMENDMENT – Crown Land (no change to tenure boundary) – do not reply to FCBC  
☐ NEW or AMENDMENT– non-Crown Land (Park, Federal Land, Harbour Port, etc.) - DFO only

Land File # 1408560 ATS Project # 259322 FAC No. 143

Name: Marine Harvest Canada

Location: Larsen Island

Date Received at FCBC: 10 July 2017 Date email sent to PRT members: 11 July 2017

AGENCY	PRT AGENCY REP	TRIGGER Y/N	AGENCY LEAD
DFO	AN, BT, MS, KS	Choose an item.	
TC	JM	Choose an item.	
FLNRO	JJ	Choose an item.	

### INFO REQUIRED BY PRT

PART	SECTION	REQUIREMENT
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	

PRT Letter(s) Sent:

(Date)

(Date)

Client Response Received:

(Date)

(Date)

☐ Yes ☐ No Additional or amended documentation has been received by the PRT directly from the client. (If yes, attach to this PRT Review and Recommendations document.)

### NOT ACCEPTABLE TO PRT

**DUE TO OUTSTANDING SIGNIFICANT DEFICIENCIES or SHOWSTOPPER - Application to be returned by  
FCBC; applicant may submit new application if desired.**

PART	SECTION	REQUIREMENT
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	

**ADDITIONAL COMMENTS:**

Additional information from FCBC

For Incidental Use.

**RECOMMENDATION TO FCBC:**

☐ **ACCEPT**      ☐ **DO NOT ACCEPT**

(Date)

## Lim, Susan

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**Subject:** PRT Bi-weekly Conference Call  
**Location:** Conference ID: 1-877-413-4781 / Participation Passcode: [REDACTED]  
**Start:** Tue 25/07/2017 9:00 AM  
**End:** Tue 25/07/2017 10:00 AM  
**Show Time As:** Tentative  
**Recurrence:** Weekly  
**Recurrence Pattern:** every 2 weeks on Tuesday from 9:00 AM to 10:00 AM  
**Meeting Status:** Not yet responded  
**Organizer:** Lim, Susan  
**Required Attendees:** Diane Tetarenko; Lesley Fettes; John Mackie; Taekema, Bernie John; Kosmider, Gabrielle; Backe, Nicole; Jim Johnson; Scott, Melinda

Hi everyone,

See attached agenda for meeting scheduled for 9 am on Tuesday, July 25, 2017.  
Hope you are available for this meeting.



July 25 - PRT  
Updated Review...

Thanks,  
Susan Lim

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Hi everyone,

Please accept this invitation to confirm your availability for PRT Bi-weekly conference calls starting July 11, 2017.

Note: Shelley has cancelled invitations for the PRT calls from her calendar.

Regards,  
Susan Lim

Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

s.16(2)(c)

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

**No information has been removed or severed from this page**



**PRT File Review**  
**25 July 2017**  
**9:00 am**

Call in number: 1-877-413-4781 Code [REDACTED]

Proposed Attendees: Diane Tetarenko, Lesley Fettes, Jim Johnson, John Mackie, Nicole Backe, Gabrielle Kosmider, Melinda Scott, Bernie Taekema

Secretariat: Susan Lim

**PRT File Review**

Diane – Update - 2 Geoduck application (Metlakatla) coming to PRT soon

Company	ATS / Lands No	Site Ref / TC NPP NO	Application Status	Notes
UHA – Stagg Bay	249558	8333	DFO - FLNRO - TC -	Geoduck – Application will need to be split into 2 landsfile numbers if we proceed DFO Pre-screening
UHA – WS Hernando Isl	249557	8373	DFO - FLNRO - TC - JM – require changes to the proposed works	Geoduck – DFO Pre-screening
UHA – NW Hernando Isl	249635	8355	DFO - FLNRO - TC -	Geoduck – DFO Pre-screening
Fan Seafood	249753	8393	DFO - FLNRO - TC -	Geoduck, South Savary Island DFO Pre-screening
Maplestar Seafood Ltd	254483	6712	DFO - FLNRO - TC -	Geoduck, DFO Pre-screening Nanoose Bay CFIA - This site does not have sufficient biotoxin monitoring for geoduck clams
			DFO - FLNRO - TC -	[REDACTED] - DFO Pre-screening DFO DENIED – sent to FCBC
MHC – Larsen Island	259322	143	DFO - FLNRO - TC -	Infrastructure amendment
T'Sou-ke Nation	258690	9129	DFO - FLNRO - TC - Accept	Pacific Oysters, Possession Point, Sooke, BC
Comox Shellfish Ltd	259797	763	DFO - FLNRO - TC -	Geoduck, DFO Pre-screening Amendment – no proposed tenure boundaries

s.16(2)(c)

s.20(1)(b)

Accepted but waiting Official Referral - FLNRO working on status and engagement letter				
Marine Harvest – Doyle Isl	249915 1407325	1288	DFO - Accept FLNRO – Accept TC – Accept	FLNRO - Update 30 May – confirmation of some distances requested, still waiting on Cleint (May 18 <sup>th</sup> ) -awaiting status and engagement letter

Decision Pending / AIP	Type	Facility	Facility No	Landfile No	Status
Canadian King Research Inc.	SF NEW	S of Rebecca Spit (IGMF)	6833	1411182	Decision Pending
Pentlatch Seafoods Ltd.	SF NEW	Comox Bar (IGMF)	1975	1411212	Decision Pending

Jim Johnson advised that there were 4 applications received but were sent back due to more information required.

3 Coastal Shellfish Shellfish Applications received but required further information:

Melville Island – returned because of conservancy

Naden Islet – returned due to potential impact

Pike Bay – returned due to deficiency

Penelakut Tribe, Boot Bay (?) – returned to client – require further information

**DFO - Clock Paused – On Hold and Approved in Principle**

1403139/127 - Lorindale Holdings [REDACTED] – Clock Pause - Litigation – Under Review –  
June 1 litigation seems to be resolving itself but this is in the Comox area so FN issues to follow

ATS156286/1261 1407063 - Odyssey Seafood - Harmonization and coordination of decision-making

ATS 150100/535 0278745 - Mac's Oysters - Harmonization and coordination of decision-making

ATS 150101/1533 0278772 - Mac's Oysters - Harmonization and coordination of decision-making

ATS 150485/531 0278755 - Mac's Oysters - Harmonization and coordination of decision-making

ATS 150097/521 0278767 - Mac's Oysters - Harmonization and coordination of decision-making

ATS 150099/519 0278753 - [REDACTED] (Mac's) - Harmonization and coordination of decision-


ATS 155429/7614 1414372 - [REDACTED] - Harmonization and coordination of decision-making

ATS 155430/7693 2409221 - [REDACTED] site 2 - Harmonization and coordination of decision-making

New Issue – Unlicensed facilities – DFO to review applications 1<sup>st</sup> – would like to renew as they would  
have originally been licensed for, and then accept an amendment application. This would have to be  
looked at 1<sup>st</sup> on a case by case basis.

**Lim, Susan**

---

**Subject:** PRT Bi-weekly Conference Call  
**Location:** Conference ID: 1-877-413-4781 / Participation Passcode:   
**Start:** Thu 17/08/2017 1:30 PM  
**End:** Thu 17/08/2017 2:30 PM  
**Show Time As:** Tentative  
**Recurrence:** Weekly  
**Recurrence Pattern:** every 2 weeks on Tuesday from 9:00 AM to 10:00 AM  
**Meeting Status:** Not yet responded  
**Organizer:** Lim, Susan  
**Required Attendees:** Diane Tetarenko; Lesley Fettes; John Mackie; Taekema, Bernie John; Kosmider, Gabrielle; Backe, Nicole; Jim Johnson

Hi everyone,

Please accept this invitation to confirm your availability for PRT conference call on Thursday, August 17<sup>th</sup> at 1:30 pm.



August 8 - PRT  
Updated Review...

Regards,  
Susan Lim

Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

s.16(2)(c)

**PRT File Review**  
**8 August 2017**  
**9:00 am**

Call in number: 1-877-413-4781 Code [REDACTED]

Proposed Attendees: Diane Tetarenko, Lesley Fettes, Jim Johnson, John Mackie, Nicole Backe, Gabrielle Kosmider, Melinda Scott, Bernie Taekema

Secretariat: Susan Lim

**PRT File Review**

Diane – Update - 2 Geoduck application (Metlakatla) coming to PRT soon

Company	ATS / Lands No	Site Ref / TC NPP NO	Application Status	Notes
UHA – Stagg Bay	249558	8333	DFO - FLNRO - TC -	Geoduck – Application will need to be split into 2 landfile numbers if we proceed DFO Pre-screening
UHA – WS Hernando Isl	249557	8373	DFO - FLNRO - TC - JM – require changes to the proposed works	Geoduck – DFO Pre-screening
UHA – NW Hernando Isl	249635	8355	DFO - FLNRO - TC -	Geoduck – DFO Pre-screening
Fan Seafood	249753	8393	DFO - FLNRO - TC -	Geoduck, South Savary Island DFO Pre-screening
Maplestar Seafood Ltd	254483	6712	DFO - FLNRO - TC -	Geoduck, DFO Pre-screening Nanose Bay CFIA - This site does not have sufficient biotoxin monitoring for geoduck clams
MHC – Larsen Island	259322	143	DFO – Accept FLNRO – TC -	Infrastructure amendment Marco working with MHC to clarify cage sizes. Reviewing to see if it can be classify as incidental aquaculture use. Melinda will work with Marco on this file regarding cage sizes.
T'Sou-ke Nation	258690	9129	DFO – FLNRO – TC – Accept	Pacific Oysters, Possession Point, Sooke, BC DFO mentioned that due to EC's report on potential impact of a large development in construction on the site, may not accept application and the proponent may have to work with EC. FLNRO should hold off working on this file for now.
Comox Shellfish Ltd	259797	763	DFO - FLNRO - TC -	Geoduck, Deep Bay, DFO Pre-screening Amendment – no proposed tenure boundaries
Penelakut Seafoods	253164	9149	DFO - FLNRO - TC - Accept	Booth Bay, Manila Clam, Pacific Oyster, Littleneck Clam
[REDACTED]	260534	9171	DFO - FLNRO - TC -	Geoduck, Baynes Sound, DFO Pre-screening
Creative Salmon Co.	1401621	233	DFO - FLNRO - TC -	Infrastructure amendment, Indian Bay
Creative Salmon Co.	1401643	244	DFO - FLNRO - TC -	Infrastructure amendment, Eagle Bay
Creative Salmon Co.	1408125	1419	DFO - FLNRO - TC -	Infrastructure amendment, McCall Islets
Coastal Shellfish Corporation		9209	DFO - FLNRO - TC - DO NOT ACCEPT	Japanese Scallops, Pike Island TC Requires more drawings.

**Accepted but waiting Official Referral - FLNRO working on statusing and engagement letter**

s.16(2)(c)

s.19(1)

Marine Harvest – Doyle Isl	249915 1407325	1288	DFO - Accept FLNRO – Accept TC – Accept	FLNRO - Update 25 July – Due to A/L, Marco will send engagement letters in approx. 3 weeks.

Decision Pending / AIP	Type	Facility	Facility No	Landfile No	Status
Canadian King Research Inc.	SF NEW	S of Rebecca Spit (IGMF)	6833	1411182	Decision Pending
Pentlatch Seafoods Ltd.	SF NEW	Comox Bar (IGMF)	1975	1411212	Decision Pending

#### Topics to Discuss

Nicole - Discuss ECCC's response to the referral for T'Souke First Nation aquaculture application at Possession Point

Jim Johnson advised that there were 4 applications received but were sent back due to more information required.

3 Coastal Shellfish Shellfish Applications received but required further information:

Melville Island – returned because of conservancy

Naden Islet – returned due to potential impact

Pike Bay – returned due to deficiency

Angela Ranson update: DFO has no showstoppers. If BC rejects, it should be fine. Shelley Meadows is the reviewer on this file from DFO.

#### **DFO - Clock Paused – On Hold and Approved in Principle**

1403139/127 - Lorindale Holdings [REDACTED] – Clock Pause - Litigation – Under Review – June 1 litigation seems to be resolving itself but this is in the Comox area so FN issues to follow

ATS156286/1261 1407063 - Odyssey Seafood - Harmonization and coordination of decision-making

ATS 150100/535 0278745 - Mac's Oysters - Harmonization and coordination of decision-making

ATS 150101/1533 0278772 - Mac's Oysters - Harmonization and coordination of decision-making

ATS 150485/531 0278755 - Mac's Oysters - Harmonization and coordination of decision-making

ATS 150097/521 0278767 - Mac's Oysters - Harmonization and coordination of decision-making

ATS 150099/519 0278753 - [REDACTED] (Mac's) - Harmonization and coordination of decision-

ATS 155429/7614 1414372 - [REDACTED] - Harmonization and coordination of decision-making

ATS 155430/7693 2409221 - [REDACTED] site 2 - Harmonization and coordination of decision-making

New Issue – Unlicensed facilities – DFO to review applications 1<sup>st</sup> – would like to renew as they would have originally been licensed for, and then accept an amendment application. This would have to be looked at 1<sup>st</sup> on a case by case basis.

**Lim, Susan**

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**From:** Lim, Susan  
**Sent:** August-17-17 9:04 AM  
**To:** Diane Tetarenko; Lesley Fettes; John Mackie; Taekema, Bernie John; Kosmider, Gabrielle; Backe, Nicole; Jim Johnson  
**Subject:** Agenda - Today 1:30 pm PRT Conference Call  
**Attachments:** August 17 - PRT Updated Review.docx

Hi everyone,

See attached updated list of files to discuss on the conference call at 1:30 pm today.

Let me know if there are other items you would like to add for discussion.

Thank you,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

**PRT File Review  
17 August 2017  
1:30 pm**

Call in number: 1-877-413-4781 Code [REDACTED]

Proposed Attendees: Diane Tetarenko, Lesley Fettes, Jim Johnson, John Mackie, Nicole Backe, Gabrielle Kosmider, Bernie Taekema

Secretariat: Susan Lim

**PRT File Review**

Diane – Update - 2 Geoduck application (Metlakatla) coming to PRT soon

Company	ATS / Lands No	Site Ref / TC NPP NO	Application Status	Notes
UHA – Stagg Bay	249558	8333	DFO - FLNRO – TC –	Geoduck – Application will need to be split into 2 landfile numbers if we proceed DFO Pre-screening
UHA – WS Hernando Isl	249557	8373	DFO - FLNRO – TC – JM – require changes to the proposed works	Geoduck – DFO Pre-screening
UHA – NW Hernando Isl	249635	8355	DFO - FLNRO – TC –	Geoduck – DFO Pre-screening
Fan Seafood	249753	8393	DFO - FLNRO – TC –	Geoduck, South Savary Island DFO Pre-screening
Maplestar Seafood Ltd	254483	6712	DFO - FLNRO – TC -	Geoduck, DFO Pre-screening NanOOSE Bay CFIA - This site does not have sufficient biotoxin monitoring for geoduck clams
MHC – Larsen Island	259322	143	DFO – Accept FLNRO – TC –	Infrastructure amendment Marco working with MHC to clarify cage sizes. Reviewing to see if it can be classify as incidental aquaculture use. Melinda will work with Marco on this file regarding cage sizes.
T'Sou-ke Nation	258690	9129	DFO – FLNRO – TC – Accept	Pacific Oysters, Possession Point, Sooke, BC DFO mentioned that due to EC's report on potential impact of a large development in construction on the site, may not accept application and the proponent may have to work with EC. FLNRO should hold off working on this file for now.
Comox Shellfish Ltd	259797 / 0319716	763	DFO - FLNRO – TC –	Geoduck, Deep Bay, DFO Pre-screening Amendment – no proposed tenure boundaries
Penelakut Seafoods	253164	9149	DFO - FLNRO – TC – Accept	Booth Bay, Manila Clam, Pacific Oyster, Littleneck Clam
Tran Giadinh Holdings Ltd.		9189	DFO - Accept FLNRO – TC – Accept	Flupsy, Fanny Bay Wharf
[REDACTED]	260534	9171	DFO - FLNRO – TC –	Geoduck, Baynes Sound, DFO Pre-screening
Creative Salmon Co.	1401621	233	DFO - Accept FLNRO – TC –	Infrastructure amendment, Indian Bay
Creative Salmon Co.	1401643	244	DFO - Accept FLNRO – TC –	Infrastructure amendment, Eagle Bay
Creative Salmon Co.	1408125	1419	DFO - Accept FLNRO – TC –	Infrastructure amendment, McCall Islets
Coastal Shellfish Corporation	253195	9209	DFO - FLNRO – TC – DO NOT ACCEPT	Japanese Scallops, Pike Island TC Requires more drawings.

Coastal Salmon Co.	247033	9229	DFO - FLNRO - TC -	Japanese Scallops, Naden Islet/Osborn Cove
Argosy Sea Farms Ltd	260669 / 1411185	1878	DFO - FLNRO - TC -	Geoduck, DFO Pre-screening Squirrel Cove – Tenure boundary change

Accepted but waiting Official Referral - FLNRO working on statusing and engagement letter				
Marine Harvest – Doyle Isl	249915 1407325	1288	DFO - Accept FLNRO – Accept TC – Accept	FLNRO - Update 25 July – Due to A/L, Marco will send engagement letters in approx. 3 weeks.

Decision Pending / AIP	Type	Facility	Facility No	Landfile No	Status
Canadian King Research Inc.	SF NEW	S of Rebecca Spit (IGMF)	6833	1411182	Decision Pending
Pentlatch Seafoods Ltd.	SF NEW	Comox Bar (IGMF)	1975	1411212	Decision Pending

#### Topics to Discuss

Nicole - Discuss ECCC's response to the referral for T'Souke First Nation aquaculture application at Possession Point

Jim Johnson advised that there were 4 applications received but were sent back due to more information required.

3 Coastal Shellfish Applications received but required further information:

- Melville Island – returned because of conservancy
- Naden Islet – returned due to potential impact
- Pike Bay – returned due to deficiency

Angela Ranson update: DFO has no showstoppers. If BC rejects, it should be fine. Shelley Meadows is the reviewer on this file from DFO.

#### DFO - Clock Paused – On Hold and Approved in Principle

1403139/127 - Lorindale Holdings [REDACTED] - Clock Pause - Litigation – Under Review – June 1 litigation seems to be resolving itself but this is in the Comox area so FN issues to follow  
 ATS156286/1261 1407063 - Odyssey Seafood - Harmonization and coordination of decision-making  
 ATS 150100/535 0278745 - Mac's Oysters - Harmonization and coordination of decision-making  
 ATS 150101/1533 0278772 - Mac's Oysters - Harmonization and coordination of decision-making  
 ATS 150485/531 0278755 - Mac's Oysters - Harmonization and coordination of decision-making  
 ATS 150097/521 0278767 - Mac's Oysters - Harmonization and coordination of decision-making  
 ATS 150099/519 0278753 - [REDACTED] (Mac's) - Harmonization and coordination of decision-making  
 ATS 155429/7614 1414372 - [REDACTED] - Harmonization and coordination of decision-making  
 ATS 155430/7693 2409221 - [REDACTED] site 2 - Harmonization and coordination of decision-making

New Issue – Unlicensed facilities – DFO to review applications 1<sup>st</sup> – would like to renew as they would have originally been licensed for, and then accept an amendment application. This would have to be looked at 1<sup>st</sup> on a case by case basis.



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# ***Upper Retreat*** LF#1404379

## **Pacific Marine Finfish Aquaculture Amendment Application**

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**Submitted to:**

**Front Counter BC**

**2080a Labieux Road**

**Nanaimo, BC**

**V9T 6J9**

**Submitted by:**

**Marine Harvest Canada**

**Suite #124-1334 Island Highway**

**Campbell River, BC**

**V9W 8C9**

***August 30, 2017***

MARINE HARVEST ASA



FrontCounter BC  
2080a Labieux Road,  
Nanaimo, B.C.  
V9T 6J9

August 30, 2017.

To whom it may concern,

**RE: REQUEST FOR SITE AMENDMENT APPROVAL AT UPPER RETREAT LF#1404379**

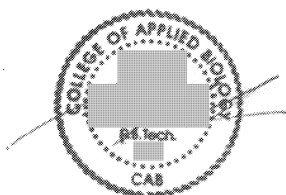
Marine Harvest Canada Inc. (MHC) is seeking to amend the infrastructure at our Upper Retreat finfish aquaculture site. MHC would like to add the option of using two cage scenarios to the existing approved 2x5 circle pen array. The proposed cage array options would be a 2x6 array of 36m square pens and a 2x7 array of 30m square pens.

The addition of each of the cage option meets the conditions of Incidental Aquaculture Use in that the Intensive Use Area for either proposed option is less than that of the original 2x5 circle cage that has been previously approved.

DEPOMOD predictions for the proposed 2x6 36m cage array (the largest of the two proposed arrays) represent an increase of 8% in the overall 5g carbon footprint from the previously approved 2x5 circle cage array.

Please accept the enclosed information as our application for amendment to the Upper Retreat farm site.

Sincerely,



Marine Harvest Canada  
Campbell River, BC  
Tel: (250) 850-FARM (3276) ext [REDACTED]  
Cell: [REDACTED]  
Fax: (250) 850-3275  
[www.marineharvestcanada.com](http://www.marineharvestcanada.com)

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<b>PACIFIC MARINE FINFISH AQUACULTURE AMENDMENT APPLICATION</b>				
<b>LIST OF ATTACHMENTS</b>				<b>Attachment</b>
<b>PART I – GENERAL INFORMATION</b>				
<b>Section E: Maps, Diagrams, and Additional Required Documents</b>				
	1.	General Location Map		1
	2.	Detailed Location Map		1
	4.	Top View Operational Diagram (2x5 90m and 120m circle cages)		1
	5.	Side View Operational Diagrams (2x5 90m and 120m circle cages)		1
	4.	Top View Operational Diagram (2x6 36m square cages)		1
	5.	Side View Operational Diagrams (2x6 36m square cages)		1
	4.	Top View Operational Diagram (2x7 30m square cages)		1
	5.	Side View Operational Diagrams (2x7 30m square cages)		1
	7.	Intensive Use Area of Site		2
<b>PART III – INFORMATION FOR FISHERIES AND OCEANS CANADA</b>				
<b>Section C: Wild Fish, Fish Habitat and Siting Considerations</b>				
	C1: Modeling			
		1.1	Diagram of Prediction at Maximum Feed Rate (2x5 90m and 120m circle cages)	3
		1.2	Diagram of Prediction at Average Feed Rate (2x5 90m and 120m circle cages)	3
		1.1	Diagram of Prediction at Maximum Feed Rate (2x6 36m square cages)	3
		1.2	Diagram of Prediction at Average Feed Rate (2x6 36m square cages)	3
		1.1	Diagram of Prediction at Maximum Feed Rate (2x7 30m square cages)	3
		1.2	Diagram of Prediction at Average Feed Rate (2x7 30m square cages)	3
		1.3	Summary Tables and Results	3
		1.4	Current Data	4
<b>Section D: Management Plans</b>				
	D2: Containment Array Management Plan			5



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FOR INTERNAL USE	
File Number: 1404379	Project Number: 261820
Disposition Number:	Client Number:

## PACIFIC MARINE FINFISH AQUACULTURE AMENDMENT

### APPLICATION

MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS  
FISHERIES AND OCEANS CANADA  
TRANSPORT CANADA

Prior to completing this application refer to the approved **Federal Aquaculture Licence and Provincial Site Management plans** for details on currently approved activities at the site. If you require a copy, please contact FLNRO at [WestCoast.LandReferrals@gov.bc.ca](mailto:WestCoast.LandReferrals@gov.bc.ca)

## PART I – GENERAL INFORMATION

? Any time you see this symbol, hold mouse pointer over top and additional information will appear.

For each question, select only one check box or circle unless otherwise directed.

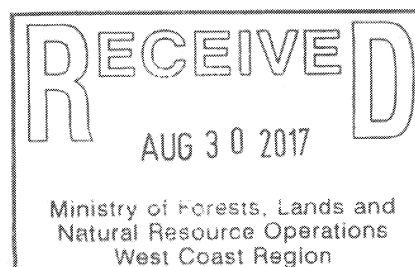
### PART I - SECTION A1: AMENDMENT SUMMARY

Provide a general overview of the proposed amendment: ?

Marine Harvest Canada Inc. (MHC) is seeking to amend the infrastructure at our Upper Retreat finfish aquaculture site. MHC would like to add the option of using two cage scenarios to the existing approved 2x5 circle pen array. The proposed cage array options would be a 2x6 array of 36m square pens and a 2x7 array of 30m square pens.

The addition of each of the cage option meets the conditions of Incidental Aquaculture Use in that the Intensive Use Area for either proposed option is less than that of the original 2x5 circle cage that has been previously approved.

DEPOMOD predictions for the proposed 2x6 36m cage array (the largest of the two proposed arrays) represent an increase of 8% in the overall 5g carbon footprint from the previously approved 2x5 circle cage array.



? Additional Pages or Supporting Material Attached: ☐ Yes ☒ No



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**PART I – SECTION A2: AMENDMENT TYPE (CHECK ALL THAT APPLY)**

<input type="checkbox"/> <b>Tenure Area Change</b>	
<input type="checkbox"/> Expansion  <input type="checkbox"/> Reduction	Complete the following: PART I PART II PART III: Section C PART IV PART V
<input checked="" type="checkbox"/> <b>Infrastructure</b>	
<input checked="" type="checkbox"/> Addition of <u>Infrastructure</u>  <input checked="" type="checkbox"/> Change meets conditions of "Incidental Aquaculture Use" (IAU) <div style="text-align: center;">?</div>	Complete the following: PART I PART II: complete only if does not meet IAU PART III: Sections B (if applicable), C & D PART IV PART V
<input type="checkbox"/> Removal	Complete the following: PART I PART III PART V
<input type="checkbox"/> <b>Species and/or Production</b>	
<input type="checkbox"/> Addition of Species  <input type="checkbox"/> Change in Production  <input type="checkbox"/> Removal	Complete the following: PART I: Sections A, B & C PART III : Sections A, C & D PART V



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**PART I - SECTION B1: FEDERAL APPROVAL APPLICANT INFORMATION**



☒ CHECK THIS BOX IF SAME APPLICANT INFORMATION WILL BE USED FOR PROVINCIAL APPROVAL

<b>1. Applicant Type (complete only one type):</b>		
<input checked="" type="checkbox"/> Registered Business	Registered Business Name: Marine Harvest Canada	
	BC Inc. #, BC Registration # or BC Society #:	
<input type="checkbox"/> Individual(s)		
First:	Middle:	Last:
<b>2. Applicant Mailing Address:</b>		
Suite 124-1334 Island Highway Campbell River, B.C. V9W 8C9 Canada		Telephone: (250) 850-3276
		Cell: [REDACTED]
		Fax: (250) 850-3275
		Email: [REDACTED]
<b>3. Physical Business Address:</b>		
<input checked="" type="checkbox"/> Same as above		
<b>4. Primary Contact Mailing Address:</b>		
		<input checked="" type="checkbox"/> Same as above
		Name: [REDACTED]
		Telephone: (250) 850-3276
		Cell: [REDACTED]
		Fax: (250) 850-3275
		Email: [REDACTED]
<b>5. Agent/Representative Mailing Address:</b>		
Letter of Authorization Enclosed: <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A		
Name:		
Telephone:		
Cell:		
Fax:		
Email:		

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**PART I – SECTION B2: PROVINCIAL APPROVAL APPLICANT INFORMATION**

(COMPLETE SECTION B2 ONLY IF APPLICANT INFORMATION IS DIFFERENT THAN SECTION

<b>1. Applicant Type (complete only one type):</b>			
<input type="checkbox"/> Registered Business	Registered Business Name:		
	Business Number:		
<input type="checkbox"/> Individual(s)			
First:	Middle:	Last:	
<b>2. Applicant Mailing Address:</b>		Telephone:	
		Cell:	
		Fax:	
		Email:	
<b>3. Physical Business Address:</b>			
<input type="checkbox"/> Same as above			
<b>4. Primary Contact Mailing Address:</b>		<input type="checkbox"/> Same as above	
		Name:	
		Telephone:	
		Cell:	
		Fax:	
		Email:	
<b>5. Agent/Representative Mailing Address:</b>		Letter of Authorization Enclosed: <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	
		Name:	
		Telephone:	
		Cell:	
		Fax:	
		Email:	



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## PART I – SECTION C: SITE GENERAL INFORMATION

1. DFO Facility Reference Number: 739	
2. Land File Number: 1404379	
3. Navigation Protection Program Number: 8200-T-2327.2	
4. Site Common Name: Upper Retreat	
5. Pacific Fishery Management Area (PFMA): 12	Sub Area: 39

## PART I - SECTION D: LICENSED AREA CHANGE

<p>1. Land Ownership and/or Tenure Type:</p> <p> <input checked="" type="checkbox"/> Provincial Crown Land (If Crown land: <input type="radio"/> Lease <input checked="" type="radio"/> Licence of Occupation <input type="radio"/> Investigative Use Licence)         </p> <p> <input type="checkbox"/> Federal Land  <input type="checkbox"/> Private Land  <input type="checkbox"/> Harbour Authority  <input type="checkbox"/> First Nation Reserve  <input type="checkbox"/> Other (describe):         </p>			
2. GPS coordinates for the center of the application area / tenure (Report in Degree Decimal Minutes):		Latitude (DD DD.ddddd): 50 43.242	
		Longitude (DD DD.ddddd): 126 34.053	
3. Estimated Application Area	CURRENTLY LICENSED (hectares)	PROPOSED CHANGE (hectares) <input type="checkbox"/> Add <input type="checkbox"/> Remove	PROPOSED CUMULATIVE TOTAL (hectares)
<input checked="" type="checkbox"/> Intensive Use Area of Site	8		8
Extensive Use Area of Site	3		3
Estimated Total Area of Site	11		11





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## PART I - SECTION E: MAPS, DIAGRAMS AND ADDITIONAL REQUIRED DOCUMENTS

Check each box to confirm attached	Attach the following maps, diagrams and documents in Adobe format (.pdf). They must be submitted with a title, to scale and be consistent with the other information in this application. Please refer to the Mapping Descriptions and Sample Mapping located in the Guide to Pacific Marine Finfish Aquaculture. All maps should be provided using CHS Marine Charts unless specified otherwise.
<input checked="" type="checkbox"/>	1. <b>General Location Map:</b> A 1:50,000 to 1:100,000 indicating the general location of area under application, noting the location of significant geographic features, such as a lake, mountain, road, community, etc.
<input checked="" type="checkbox"/>	2. <b>Detailed Location Map:</b> A map with a scale between 1:20,000 and 1:40,000, showing the detailed location of the area under application.
<input type="checkbox"/>	3. <b>Application Area Map (submit one of the following):</b> (a) <b>Shape file:</b> Attach a shapefile or ".kmz" file, geo-referenced to BC Albers projection (NAD 83), including a reference map with a Point of Commencement (POC) ; OR (b) <b>Metes &amp; Bounds:</b> A topographic map showing a UTM/latitude and longitude of POC and a corresponding text description on a separate piece of paper that describes the metes & bounds of the proposed shape.
<input checked="" type="checkbox"/>	4. <b>Top View Operational Diagram(s):</b> (a) A 1:5000 scale site plan showing proposed change(s) to existing tenure boundaries and: (i) <u>new containment array</u> . If several arrays are proposed, provide one site plan per array; <b>AND/OR</b> (ii) any proposed changes to <u>existing containment array(s)</u> . If changes are proposed to several containment arrays, provide one site plan per array; <b>AND</b> (b) A single 1:5000 scale site plan showing currently licenced containment array(s) and all proposed additions and/or changes as outlined in 4(a).
<input checked="" type="checkbox"/>	5. <b>Side View Operational Diagram:</b> A map(s) showing a cross section diagram of the containment array(s) that itemize all structures above the surface and include all underwater structures and the high and low water mark.
<input type="checkbox"/>	6. <b>Habitat Map:</b> A 1:5000 map showing boundaries of the application area and including habitat characteristics from the habitat assessments.
<input checked="" type="checkbox"/>	7. <b>Intensive Use Area of site (Hectares):</b> Attach a worksheet showing the total Intensive Use Area (IUA) calculation for the Infrastructure configuration which occupies the largest IUA.

## PART I - SECTION F: FIRST NATIONS CONSIDERATION

Canada and the Province of British Columbia are legally obligated to consult and, where appropriate, accommodate First Nations on decisions that could impact treaty rights or aboriginal rights and title ("Aboriginal Interests"). Federal and Provincial decision-makers are responsible for ensuring adequate and appropriate consultation and accommodations.

For more information please review the information available on the Ministry of Forests, Lands and Natural Resource Operations website: 'Consulting with First Nations'; specifically proponents are advised to review: "Guide to Involving Proponents When Consulting First Nations" (<http://www2.gov.bc.ca/gov/content/environment/natural-resource-stewardship/consulting-with-first-nations>).

Proponents are encouraged to engage with First Nations as early as possible in the planning stages to build relationships and for information sharing purposes. You may use the Province's Consultative Areas Database to identify which First Nations to engage: <http://geobc.gov.bc.ca>.

Is a summary of information sharing attached? ☐ Yes ☒ No



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# PART I - SECTION G: INFRASTRUCTURE INFORMATION SECTION G1 – CONTAINMENT ARRAY(S) ?

1. Proposed changes to Containment Array(s):			
DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input checked="" type="checkbox"/> Circle	<input checked="" type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input checked="" type="checkbox"/> Circle ?
QUANTITY	10		10
CONFIGURATION	2x5		2x5
DIMENSIONS *	90m and 120m		90m and 120m
TOTAL AREA **	49,600		49,600

\*Dimensions (m) for each structure

\*\* Total area is calculated using the length and width of the outside edges, including walkways of a square cage array and the length and width of the outer circle anchoring grid for circle cages.

\*\*\* Proposed change (difference between currently licensed and proposed cumulative total)

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input checked="" type="checkbox"/> Circle	<input checked="" type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input checked="" type="checkbox"/> Circle
QUANTITY	10		10
CONFIGURATION	2x5		2x5
DIMENSIONS *	90m		90m
TOTAL AREA **	49,600		49,600

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input checked="" type="checkbox"/> Add <input type="checkbox"/> Remove <input checked="" type="checkbox"/> Square <input type="checkbox"/> Circle	<input checked="" type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY		12	12
CONFIGURATION		2x6	2x6
DIMENSIONS *		36m	36m
TOTAL AREA **		40,020	40,020



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**PART I SECTION G1 – CONTAINMENT ARRAY(S) CONTINUED: ?**

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input checked="" type="checkbox"/> Add <input type="checkbox"/> Remove <input checked="" type="checkbox"/> Square <input type="checkbox"/> Circle	<input checked="" type="checkbox"/> Square <input type="checkbox"/> Circle ?
QUANTITY		14	14
CONFIGURATION		2x7	2x7
DIMENSIONS *		30m	30m
TOTAL AREA **		36,036	36,036

\*Dimensions (m) for each structure

\*\* Total area is calculated using the length and width of the outside edges, including walkways of a square cage array and the length and width of the outer circle anchoring grid for circle cages.

\*\*\* Proposed change (difference between currently licensed and proposed cumulative total)

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY			
CONFIGURATION			
DIMENSIONS *			
TOTAL AREA **			

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY			
CONFIGURATION			
DIMENSIONS *			
TOTAL AREA **			



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## PART I - SECTION G2: ANCILLARY AND NAVIGATIONAL STRUCTURES

### 2. Proposed Ancillary and Navigational Structures:

For applications with more than one cage array proposed, please review ancillary section in the Guide to Marine Finfish Aquaculture Application.

DESCRIPTION	PROPOSED CHANGE	QUANTITY	DIMENSIONS (m)	TOTAL AREA (m <sup>2</sup> )
<i>e.g. Feed barge</i>	<input type="checkbox"/> Add or <input checked="" type="checkbox"/> Remove	1	40m x 30 m	1450m <sup>2</sup>
Float house	<input type="checkbox"/> Add <input type="checkbox"/> Remove	1	12x18	216
Feed Shed	<input type="checkbox"/> Add <input type="checkbox"/> Remove	1	12x18	216
Transfer Pens	<input type="checkbox"/> Add <input type="checkbox"/> Remove	4	17x17	289
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Buoys	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Anchor Blocks	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Mooring lines	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Other:				



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## PART II – INFORMATION FOR THE BC MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS (FLNR)

The following information, along with Part I and Part V is required for the review of the Provincial Crown Land Tenure application to an existing tenure pursuant to the BC *Land Act*.

### PART II - SECTION A: SITING CONSIDERATIONS



Applicants must respond to each consideration and may be required to provide additional information in some situations

1. Does your proposal infringe on the riparian rights of an upland owner?		<input type="radio"/> Yes <input checked="" type="radio"/> No
Letter of upland owner consent enclosed:		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
2. Is the intended use consistent with approved local government bylaws for land use planning and zoning?		<input checked="" type="radio"/> Yes <input type="radio"/> No
Provide the name of the local government(s) for the area under application: Mount Waddington Regional District		
Describe any applicable bylaws or zoning for the proposed area:		
If <u>No</u> , have you contacted the local government?		<input type="radio"/> Yes <input checked="" type="radio"/> No
Summary of interactions with local government attached:		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
3. Is the site situated greater than 1 km in all directions from a First Nations reserve?		<input checked="" type="radio"/> Yes <input type="radio"/> No
If "No", written support from the First Nation(s) is attached:		<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
4. Is the site situated greater than 1 km in a direct line of sight from existing federal parks, regional district parks, provincial parks, marine protected areas, and conservancies (or approved proposals for these)?		<input type="radio"/> Yes <input checked="" type="radio"/> No
If <u>No</u> , have you contacted the relevant agency?		<input type="radio"/> Yes <input checked="" type="radio"/> No
Summary of correspondence with governing agency enclosed:		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
5. Is the site situated greater than 1 km from ecological reserves smaller than 1000 ha or approved proposals for ecological reserves smaller than 1000 ha?		<input checked="" type="radio"/> Yes <input type="radio"/> No
Summary of communication with BC Parks is attached:		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A



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## PART II - SECTION A: SITING CONSIDERATIONS CONTINUED:

6. Is the site situated greater than 1 km from the mouth of an anadromous salmonid-bearing stream determined as significant by the Province?		<input checked="" type="radio"/> Yes <input type="radio"/> No
Supporting documents is attached:		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
Provide the title of the supporting document(s) attached: ?		
7. Is the intended use consistent with a local area plan or Coastal Zone Management Plan? ?		<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
Identify the relevant plan(s) and describe any applicable sections of those plans for the proposed area: 2015 North Vancouver Island Marine Plan		
Provide details of communications and relevant correspondence with your application.		

## PART II - SECTION B: ADDITIONAL CROWN LANDS INFORMATION

1. Are all applicants Canadian Citizens or Permanent Residents; or if a corporation, registered partnership, cooperative or non-profit society, is it registered in BC?	<input checked="" type="radio"/> Yes <input type="radio"/> No
2. Is/Are applicant(s) 19 years of age or older?	<input checked="" type="radio"/> Yes <input type="radio"/> No
3. For applications made by more than one individual:	<input checked="" type="radio"/> N/A <input type="radio"/> Joint Tenants <u>OR</u> <input type="radio"/> Tenants in Common

## PART II - SECTION C: WATER USE ?

1. Will fresh water be diverted or used at the site for the operation of the facility, living accommodations or other purposes?	<input checked="" type="radio"/> Yes (Complete Question 2 & 3) <input type="radio"/> No planned water usage (continue to Part III)	
2. Fresh water source: (check all that apply)	<input type="checkbox"/> Ground Water ?	<input type="checkbox"/> Surface Water
Water Source Name: rainwater collection		
3. Do you have any existing water licences and/or have you submitted any water licence applications?	<input type="radio"/> Yes	Application Tracking Number: Licence Number:
	<input checked="" type="radio"/> No	





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## PART III – INFORMATION FOR FISHERIES AND OCEANS CANADA (DFO)

The following information along with Part I and Part V is required for the review of the federal Aquaculture Licence application pursuant to the federal *Fisheries Act, Pacific Aquaculture Regulations*.

### PART III - SECTION A: CULTURED SPECIES AND PRODUCTION

Check all species that you intend to culture and estimate the Combined Peak Biomass in metric tonnes (t).

SPECIES COMMON NAME	CURRENTLY LICENSED	ADD	REMOVE	
Atlantic salmon	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Chinook salmon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Coho salmon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sablefish	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rainbow trout	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
*Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Combined Peak Biomass (t): ➡				PROPOSED CUMULATIVE TOTAL
				1,840.00

\*If "Other" species are requested, see guidebook for more details.

### PART III - SECTION B: DOMESTIC WASTE MANAGEMENT

COMPLETE THIS SECTION IF APPLYING FOR A NEW SITE OR MODIFYING LIVING ACCOMMODATION TO AN EXISTING SITE	
<p><b>1. Is there a floating living accommodation within the marine waters of the application area?</b> Provide description of domestic sewage treatment works: grey water retention greater than 24 hours</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>
<p><b>2. Location of the sewage discharge point (Include depth of outfall line):</b> greater than 15m</p>	



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### PART III - SECTION C: WILD FISH, FISH HABITAT AND SITING CONSIDERATIONS ?

**NOTE:** Qualified professionals must conduct the habitat assessment and sediment sampling survey(s) and reporting.

IS ATTACHED	NOT REQUIRED	DOCUMENT (Check each box to confirm that documents are attached)	
<b>C1 MODELING &amp; CURRENTS</b>			
<input checked="" type="checkbox"/>		1.1 Diagram(s) of prediction(s) at maximum feed rate (1g, 5g and 10g contour)	
<input checked="" type="checkbox"/>		1.2 Diagram(s) of prediction(s) at average feed rate (1g, 5g and 10g contour)	
<input checked="" type="checkbox"/>		1.3 Summary tables and results	
<input checked="" type="checkbox"/>		1.4 Current Data	
<b>C2 FISH AND FISH HABITAT SURVEYS</b>			
<input type="checkbox"/>		2.1 Nearshore Survey	
<input type="checkbox"/>		2.2 Deepwater Survey	
<b>C3 SEDIMENT SAMPLING</b>			
<input type="checkbox"/>	<input type="checkbox"/>	* Check "NOT REQUIRED" if substrate cannot be sampled	
<b>C4 SENSITIVE AND CRITICAL HABITAT SURVEY(S) OR DATA</b>			
IS ATTACHED	TYPE	IS ATTACHED	TYPE
<input type="checkbox"/>	Stream survey	<input type="checkbox"/>	Glass sponge complexes
<input type="checkbox"/>	Historic herring spawn	<input type="checkbox"/>	Shellfish beds
<input type="checkbox"/>	Marine Mammal usage area	<input type="checkbox"/>	Abalone
<input type="checkbox"/>	Eelgrass beds	<input type="checkbox"/>	Lingcod
<input type="checkbox"/>	Kelp beds	<input type="checkbox"/>	Rockfish rearing/nursery areas
<b>C5 REFERENCE STATION DATA</b>			
<input type="checkbox"/>		Video data and Sediment Sampling	

### PART III - SECTION D: MANAGEMENT PLANS

The following facility management plans must be attached to your application. Check each box to confirm is attached.

IS ATTACHED	PLAN
<input type="checkbox"/>	<b>D1 INVENTORY PLAN</b> - A 24 month Inventory Plan for all licensed species including biomass and age class.
<input type="checkbox"/>	<b>D2 CONTAINMENT ARRAY MANAGEMENT PLAN</b> - describes the structural operational components and location of compliance monitoring stations.
<input type="checkbox"/>	<b>D3 HEALTH MANAGEMENT PLAN (HMP)</b> - outlines the actions or procedures that operator must use at a facility to meet fish health requirements.
<input type="checkbox"/>	<b>D4 ESCAPE PREVENTION AND RESPONSE PLAN</b> - outlines the infrastructure and practices employed to prevent the escape of cultured fish into the marine environment.
<input type="checkbox"/>	<b>D5 MARINE MAMMAL INTERACTION MANAGEMENT PLAN</b> - describes measures to deter and minimize predator interactions.

**NOTE:** Upon approval, the CONTAINMENT ARRAY AND HEALTH MANAGEMENT PLANS will be incorporated into the Conditions of Licence.



## PART IV – INFORMATION FOR TRANSPORT CANADA (TC)

The following information, along with Part I and Part V is required for the review of the federal *Navigation Protection Act* (NPA) approval.

### PART IV - SECTION A: SITING CONSIDERATIONS

Applicants may be required to provide additional information in some situations.

### PART IV - SECTION B: ADDITIONAL TRANSPORT CANADA INFORMATION

1. Waterway Name: Retreat Passage	
Width (m): 800.00	Depth Range (m): 40.00
2. Nearest Community: Health Bay	
3. Is this Work:	<input type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> Modification of Existing Work
4. To help with the review process, please include the following if available. Check each box to confirm is attached.	
<input type="checkbox"/> Photographs at the site of the proposed/existing work and surrounding area	
<input type="checkbox"/> Environmental Assessment documents (if any)	



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## PART V – INFORMATION FOR ALL AGENCIES

Incomplete applications will be returned to applicant.

### PROVINCIAL FEES:

Application fees for Crown land tenures are due upon submission. Fees for new applications and amendments to existing tenures are established in the Crown Land Fee regulation – see link

[http://www.bclaws.ca/civix/document/id/lc/statreg/177\\_2003](http://www.bclaws.ca/civix/document/id/lc/statreg/177_2003). Note that the fee structure does not include that taxes that apply.

### Forms of payment:

- Cheques or Money orders must be in Canadian Funds to **Minister of Finance**.  
(FrontCounter BC will not accept personal cheques drawn on US banks, regardless of what currency.)
- Debit Card (in-person only).
- Visa, AMEX and MasterCard payments are accepted in-person or over the telephone. To locate a FrontCounter BC office, visit the website at <http://www.frontcounterbc.gov.bc.ca/contact/> or call the toll free number 1-877-855-3222.

**FEDERAL FEES:** <http://www.pac.dfo-mpo.gc.ca/aquaculture/licence-permis/index-eng.html>. Federal fees will be invoiced prior to licensing and are only payable online using the National Online Licensing System.

**DISCLOSURE:** The information you provide may be subject to the following legislation: British Columbia *Freedom of Information and Protection of Privacy Act* (FOIPP Act); the federal *Access to Information Act*; and the federal *Privacy Act*. Personal information is collected by FrontCounter BC under the legal authority of section 26 (c) and 27 (1) of the *Freedom of Information and Protection of Privacy Act* (the Act). The collection, use, and disclosure of personal information is subject to the provisions of the Act. The personal information collected by FrontCounter BC will be used to process your inquiry or application(s). It may also be shared when strictly necessary with partner agencies that are also subject to the provisions of the Act. The personal information supplied in the application package may be used for referrals or notifications as required. Personal information may be used by FrontCounter BC for survey purposes. For more information regarding the collection, use, and/or disclosure of your personal information by FrontCounter BC, please contact FrontCounter BC at 1-877-855-3222 or at: FrontCounter BC Program Director, FrontCounter BC, Provincial Operation, 441 Columbia Street, Kamloops, BC V2C 2T3 or the Director, Access to Information and Privacy Secretariat at the Department of Fisheries and Oceans Canada and Transport Canada. The Province of British Columbia, Fisheries and Oceans Canada, and Transport Canada do not consider the information submitted in this form to be confidential unless it is subject to the privacy protection of the *Freedom of Information and Protection of Privacy Act* or the *Access to Information Act*.

I understand that the information supplied will be used to review my applications under the *BC Land Act*, *BC Seafood Act*, federal *Fisheries Act* and the federal *Navigation Protection Act* and information will be shared amongst the other agencies, First Nations and/or with the public.

**IMPORTANT:** Federal regulations require that applications submitted on behalf of a company be signed by a company director. Please email [aquaculture.licensing@dfo-mpo.gc.ca](mailto:aquaculture.licensing@dfo-mpo.gc.ca) for direction regarding supporting documentation.\*

Signature(s) of applicant(s)  
or authorized representative

Printed name(s) of Applicant(s)  
or authorized representative\*

Date (yyyy/mm/dd)

2017/08/20

\*If signature is by an authorized representative please supply a letter granting authorization to act on behalf of the applicant.



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## Submit completed application, and additional supporting information (if applicable) to:

### BY EMAIL:

Email Subject line: **Proponent Name, Application Type**

Attachments: The application and attachments to be submitted as one  
"unprotected" PDF document. If not, name as following:

**Proponent\_Application Type\_1of2**

**Proponent\_Description of Supporting documents\_2of2**

Email to: **WestCoast.LandReferrals@gov.bc.ca**

Fees: Upon review of your application, you will be notified by  
FrontCounter BC of the applicable provincial application fee.

### IN PERSON:

Any FrontCounter BC office.

Visit <http://www.frontcounterbc.gov.bc.ca> for the location nearest you.

### BY MAIL:

FrontCounter BC, 142-2080 Labieux Road, Nanaimo, BC V9T 6J9

PLEASE RETAIN A COPY OF THIS APPLICATION FOR YOUR RECORDS

APPLICATIONS ARE NOT TRANSFERABLE

THE SUBMISSION OF THIS FORM DOES NOT IN ANY MANNER CONVEY ANY RIGHTS TO USE OR  
OCCUPY CROWN LAND AND/OR CONDUCT REQUESTED ACTIVITIES



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**FOR INTERNAL USE ONLY  
(DO NOT COMPLETE THIS PAGE IF FILLING IN APPLICATION ELECTRONICALLY)**

**Site Information:**

**Site Common Name**

Upper Retreat

DFO Facility Reference Number	Land File Number	Intensive Use Area of Site (ha)	Extensive Use Area of Site (ha)	Total Area (ha)
739	1404379	8	3	11

**Proposed Cage Arrays:**

DESCRIPTION	CAGE ARRAY 1	CAGE ARRAY 2	CAGE ARRAY 3	CAGE ARRAY 4	CAGE ARRAY 5	CAGE ARRAY 6
QUANTITY	10	10	12	14		
CONFIGURATION	2x5	2x5	2x6	2x7		
DIMENSIONS *	90m and 12	90m	36m	30m		
TOTAL AREA**	49,600	49,600	40,020	36,036		

**Proposed Ancillary and Navigational Structures:**

DESCRIPTION	Float house	Feed Shed	Transfer Pens		
QUANTITY	1	1	4		
DIMENSIONS *	12x18	12x18	17x17		
TOTAL AREA**	216	216	289		

**NOTE:** Only first 5 rows of the Ancillary structures are listed here, remainder on page 9 of the application.

\*Dimensions (m OR m2) for each structure

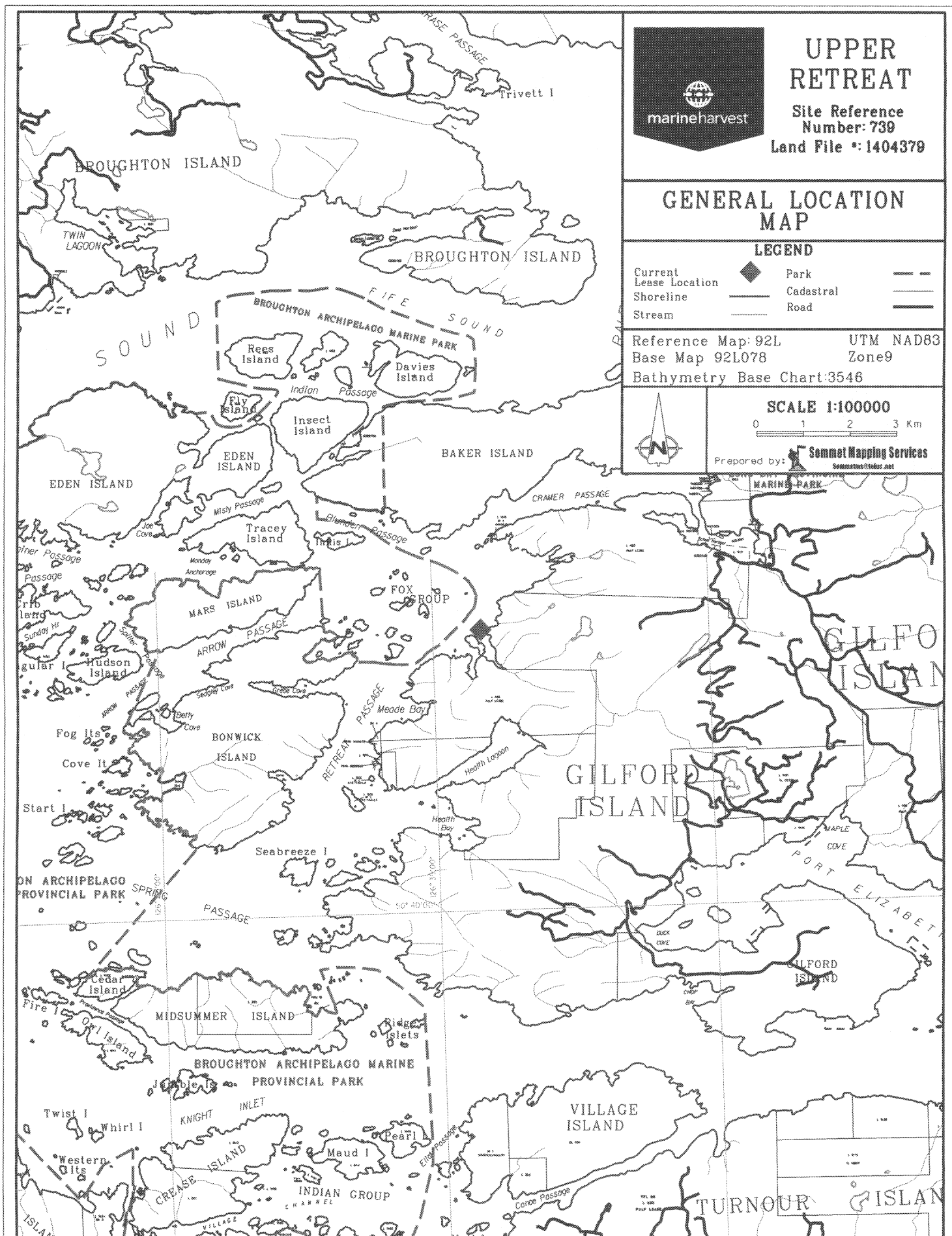
\*\* Total Area including all walkways or area between circular cages

## **Attachment #1**

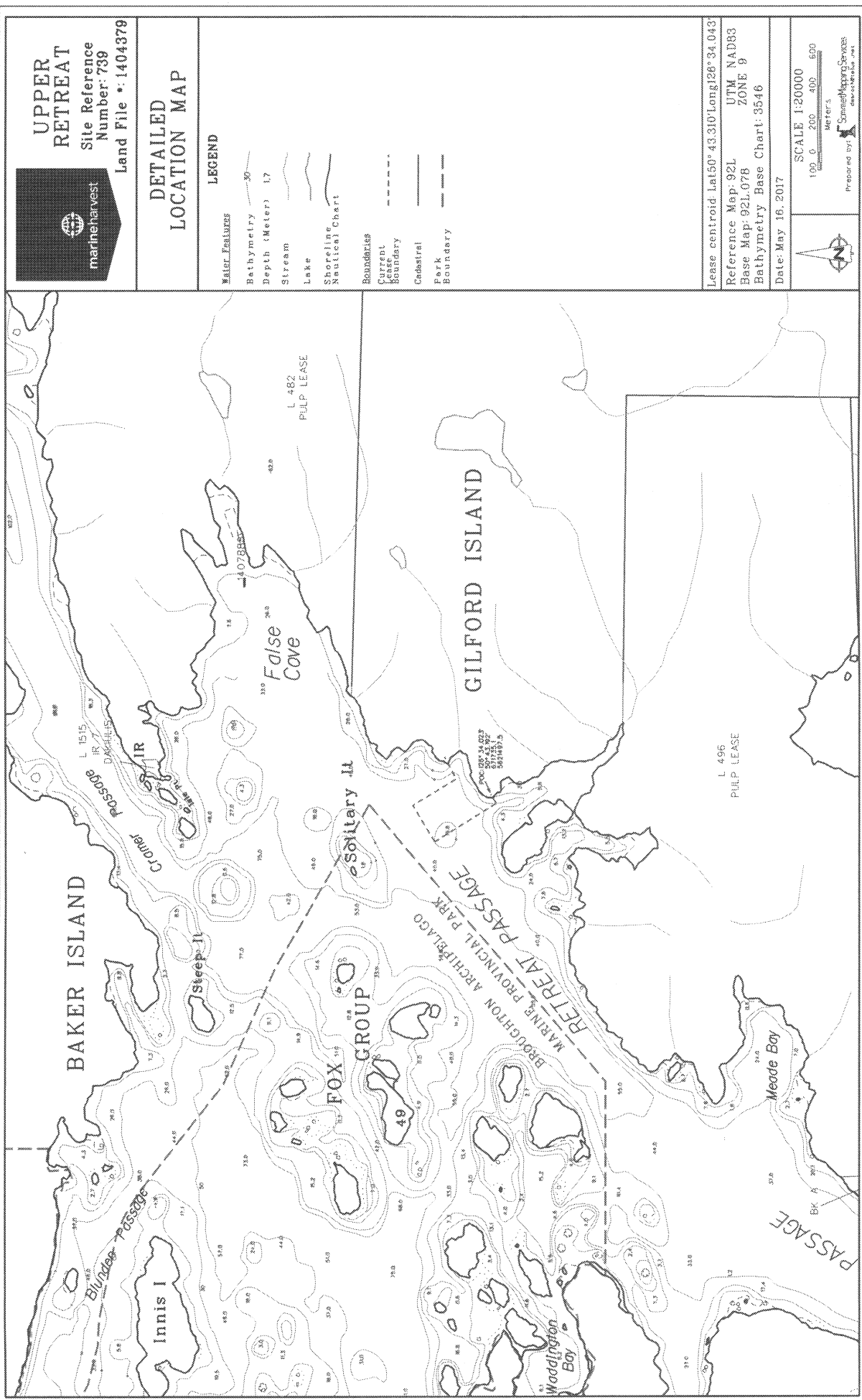
### **Part I - General Applicant Information**

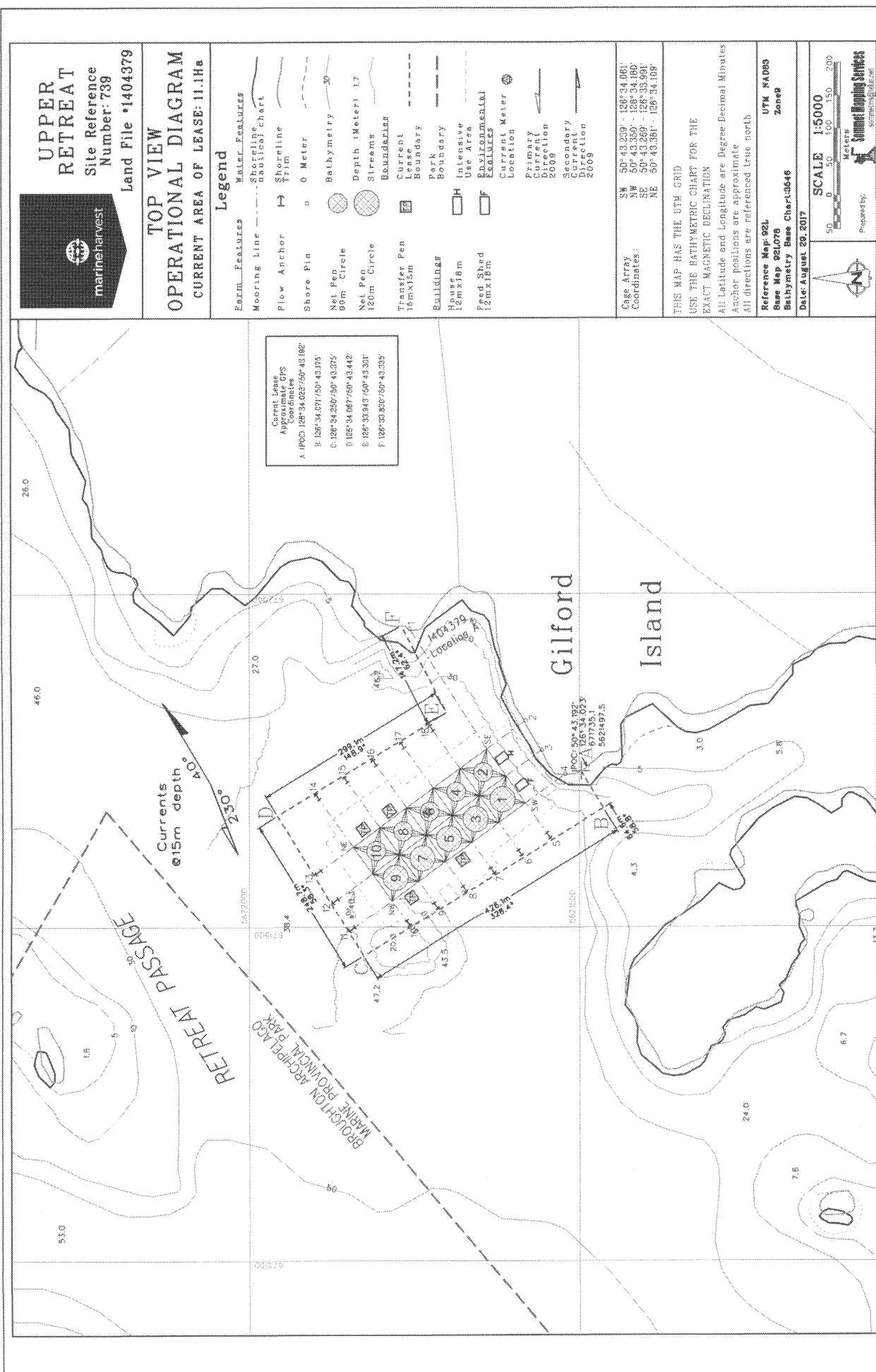
#### **Section E: Maps, Diagrams, and Additional Required Documents**

1.	General Location Map
2.	Detailed Location Map
4.	Top View Operational Diagram (2x5 90m and 120m circle cages)
5.	Side View Operational Diagrams (2x5 90m and 120m circle cages)
4.	Top View Operational Diagram (2x6 36m square cages)
5.	Side View Operational Diagrams (2x6 36m square cages)
4.	Top View Operational Diagram (2x7 30m square cages)
5.	Side View Operational Diagrams (2x7 30m square cages)









**UPPER  
RETREAT**  
Site Reference  
Number: 739  
Land File #1404379

**TOP VIEW  
OPERATIONAL DIAGRAM**  
CURRENT AREA OF LEASE: 11.1 Ha

**Legend**

Farm Features		Water Features	
Mooring Line	---	Shoreline	---
Pile Anchor	+	Shoreline	---
Shore Pin	o	0 Meter	---
Net Pen	○	Bathymetry	---
90m Circle	○	Depth (Meter) 17	---
Net Pen	○	Stream	---
120m Circle	○	Boundaries	---
Transfer Pen	+	Current	---
10m x 10m	+	Boundary	---
Buildings	+	Park	---
House	+	Boundary	---
10m x 10m	+	Intensive	---
Feed Shed	+	Use Area	---
12m x 10m	+	Environmental	---
		Features	---
		Current Meter	---
		Location	---
		Primary	---
		Current	---
		Direction	---
		2009	---
		Secondary	---
		Direction	---
		2009	---

Cage Array SW 50°43'23.9" - 128°34'08.1"  
Coordinates: NW 50°43'35.0" - 128°34'18.0"  
SE 50°43'26.9" - 128°33'59.1"  
NE 50°43'38.1" - 128°34'10.9"

THIS MAP HAS THE UTM GRID

USE THE BATHYMETRIC CHART FOR THE

EXACT MAGNETIC DECLINATION

All Latitude and Longitude are Degree-Decimal Minutes

Anchor positions are approximate

All directions are referenced true north

Reference Map: 92L

Base Map: 92L078

Bathymetry Base Chart: 3646

Date: August 20, 2017

UTM NAD83

Zone 9

SCALE 1:5000

50 0 50 100 150 200

Meters

Prepared by:



# SIDE & END PROFILES

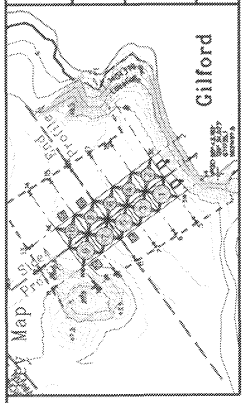
120m/90m Circle Cages  
50m Grid

SCALE 1:2000

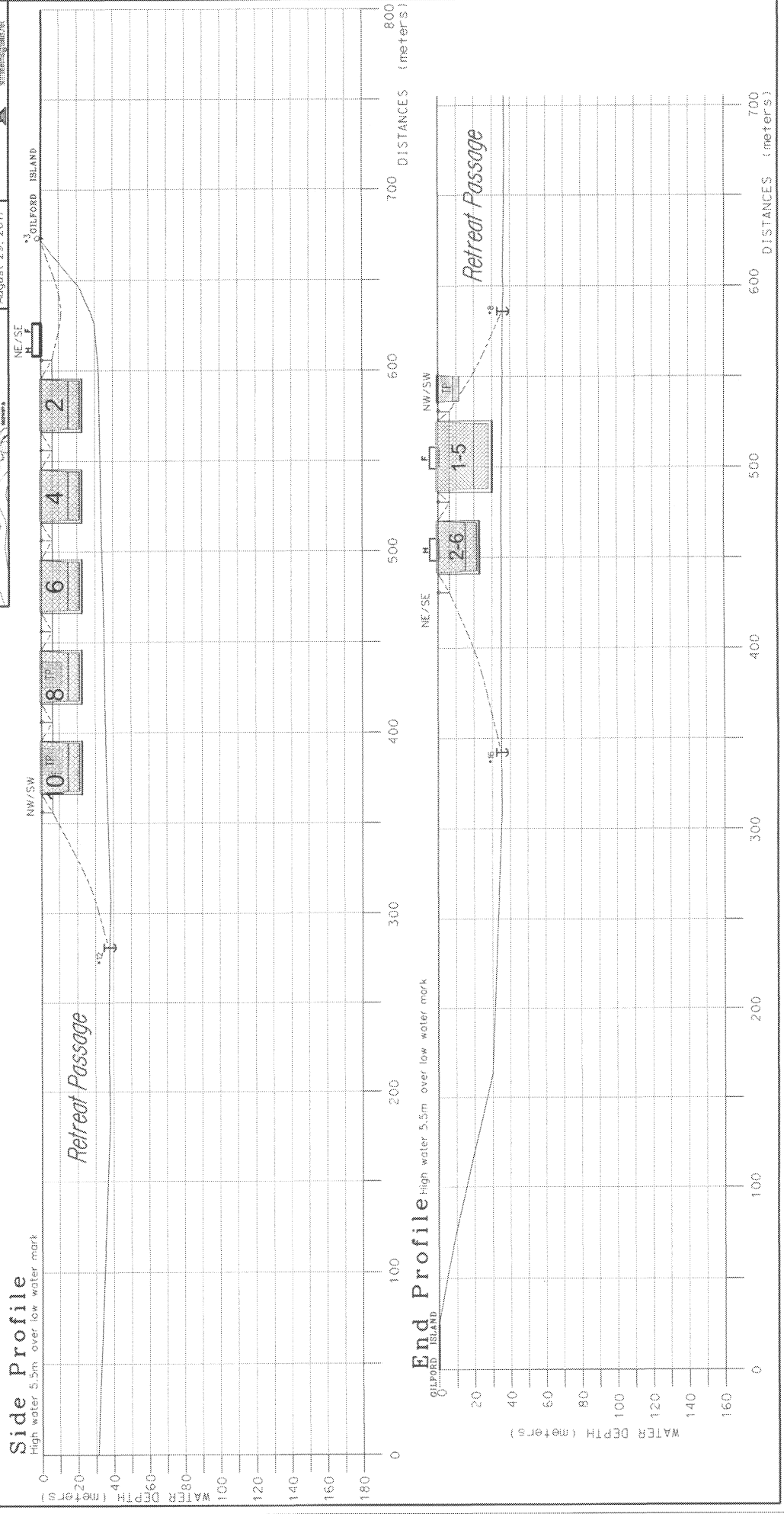
0 10 25 50 100m

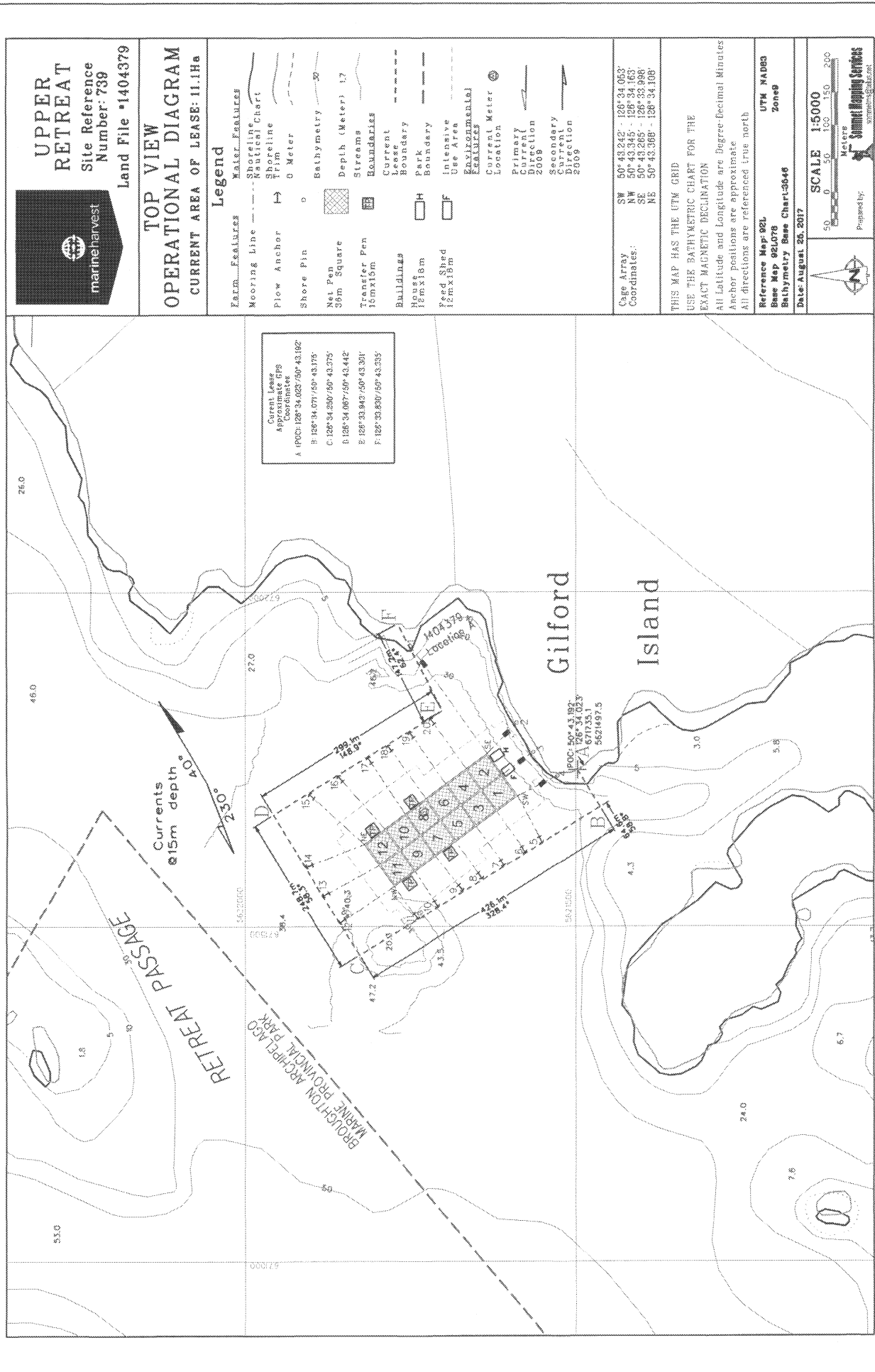
Date: August 29, 2017

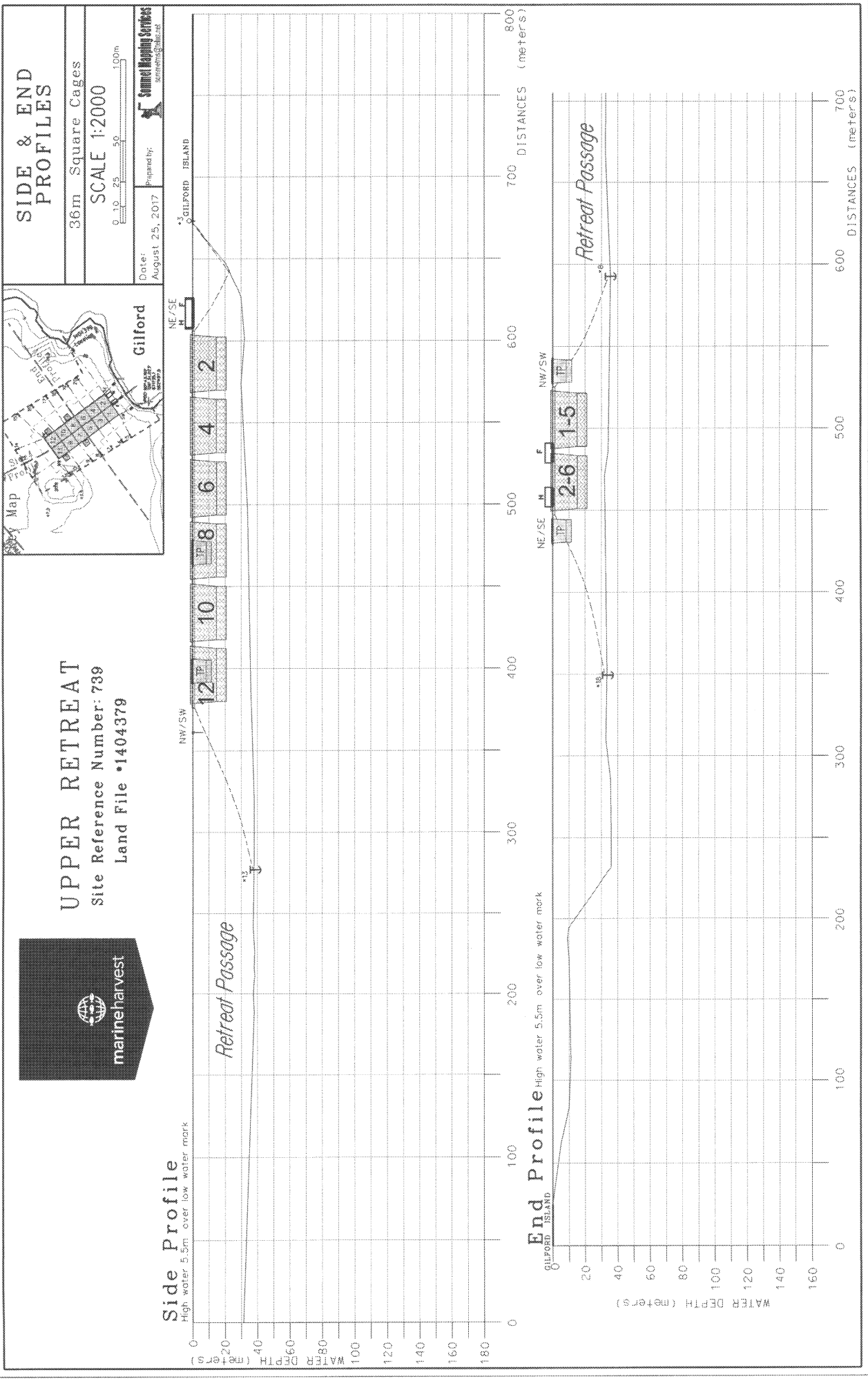
Prepared by: **Summit Mapping Services**

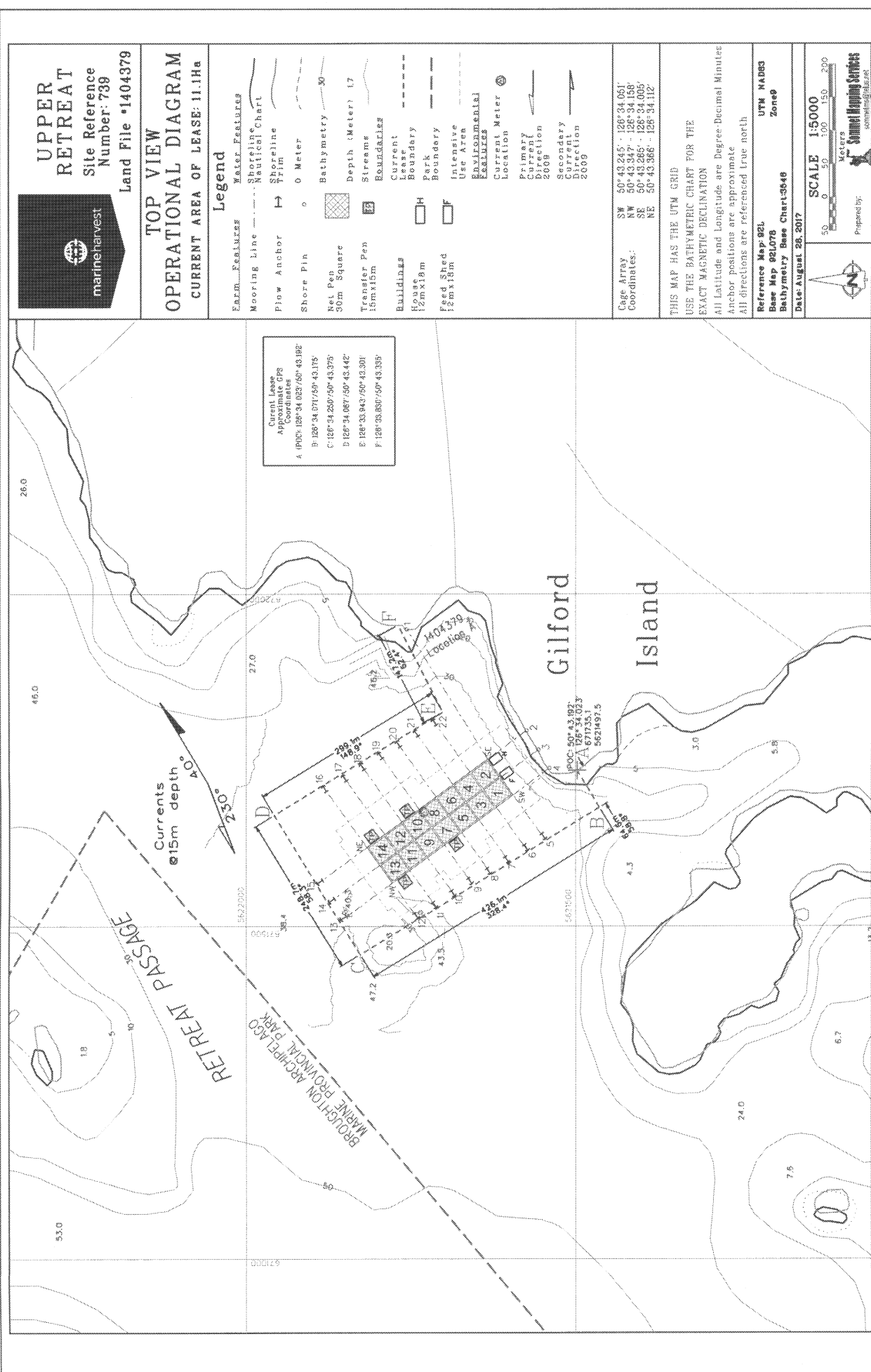


**UPPER RETREAT**  
Site Reference Number: 739  
Land File #1404379











## **Attachment #2**

### **Part I - General Applicant Information**

#### **Section E: Maps, Diagrams, and Additional Required Documents**

7.	Intensive Use Area of Site
----	----------------------------

INTENSIVE USE AREA		
Site Name:	Upper Retreat	Date: August 30, 2017

## Approved IUA

Circle Cages			
grid size (m):	50	rows of	5 cages
configuration:	2	width	m <sup>2</sup>
		length	m <sup>2</sup>
area at sea level	100	250	25000 m <sup>2</sup>
Intensive use area	160	310	49600 m <sup>2</sup>

Float House			
# of float houses:	1	width	m <sup>2</sup>
		length	m <sup>2</sup>
area at sea level	12	18	216
Intensive use area	72	78	5616
Total Intensive Use Area		5616	m <sup>2</sup>

Feed Shed			
# of feed sheds:	1	width	m <sup>2</sup>
		length	m <sup>2</sup>
area at sea level	12	18	216
Intensive use area	72	78	5616
Total Intensive Use Area		5616	m <sup>2</sup>

Transfer Pens			
# of transfer pens:	3	width	m <sup>2</sup>
		length	m <sup>2</sup>
area at sea level	15	15	225
Intensive use area	75	75	5625
Total Intensive Use Area		22500	m <sup>2</sup>

Circle Cages	49600
Float House	5616
Feed Shed	5616
Transfer Pens	22500
Total	83332 m <sup>2</sup>
	8.3 Hectares

## Proposed IUA

Square Cages			
cage size (m):	36	rows of	8 cages
configuration:	2	width	m <sup>2</sup>
		length	m <sup>2</sup>
area at sea level	78	230	17940 m <sup>2</sup>
Intensive use area	138	290	40020 m <sup>2</sup>

\*\*assumes 2m between cages for walkways

Float House			
# of float houses:	1	width	m <sup>2</sup>
		length	m <sup>2</sup>
area at sea level	12	18	216
Intensive use area	72	78	5616
Total Intensive Use Area		5616	m <sup>2</sup>

Feed Shed			
# of feed sheds:	1	width	m <sup>2</sup>
		length	m <sup>2</sup>
area at sea level	12	18	216
Intensive use area	72	78	5616
Total Intensive Use Area		5616	m <sup>2</sup>

Transfer Pens			
# of utility floats:	4	width	m <sup>2</sup>
		length	m <sup>2</sup>
area at sea level	15	15	225
Intensive use area	75	75	5625
Total Intensive Use Area		22500	m <sup>2</sup>

Square Cages			% increase in IUA
Float House	40020		
Feed Shed	5616		
Transfer Pens	22500		
Total	73752 m <sup>2</sup>	7.4 Hectares	
			-11.50%



## Attachment #3

### Part III - Information for Fisheries and Oceans Canada (DFO)

#### Section C: Wild Fish, Fish Habitat and Siting Considerations

C1: Modeling		
	1.1	Diagram of Prediction at Maximum Feed Rate (2x5 90m and 120m circle cages)
	1.2	Diagram of Prediction at Average Feed Rate (2x5 90m and 120m circle cages)
	1.1	Diagram of Prediction at Maximum Feed Rate (2x6 36m square cages)
	1.2	Diagram of Prediction at Average Feed Rate (2x6 36m square cages)
	1.1	Diagram of Prediction at Maximum Feed Rate (2x7 30m square cages)
	1.2	Diagram of Prediction at Average Feed Rate (2x7 30m square cages)
	1.3	Summary Tables and Results



Figure 1. Predicted 'Carbon Flux' contours (gC/m<sup>2</sup>/day) at the Upper Retreat site based on the approved 2x5 90m and 120m circle cage configuration and 1840mt and a maximum feed rate of 1,481 kg/cage/day (120m pens) and 833 kg/cage/day (90m pens).

Upper Retreat August 2017  
 2x5 (120m and 90m)  
 Max Feed Rate (120's) 1481 kg/cage/day  
 Max Feed Rate (90's) 833 kg/cage/day  
 Current Meter Depths (15m, 31m)  
 Hourly Averaged  
 Resuspension Off  
 5g Carbon Flux avg (30,829 m<sup>2</sup>)

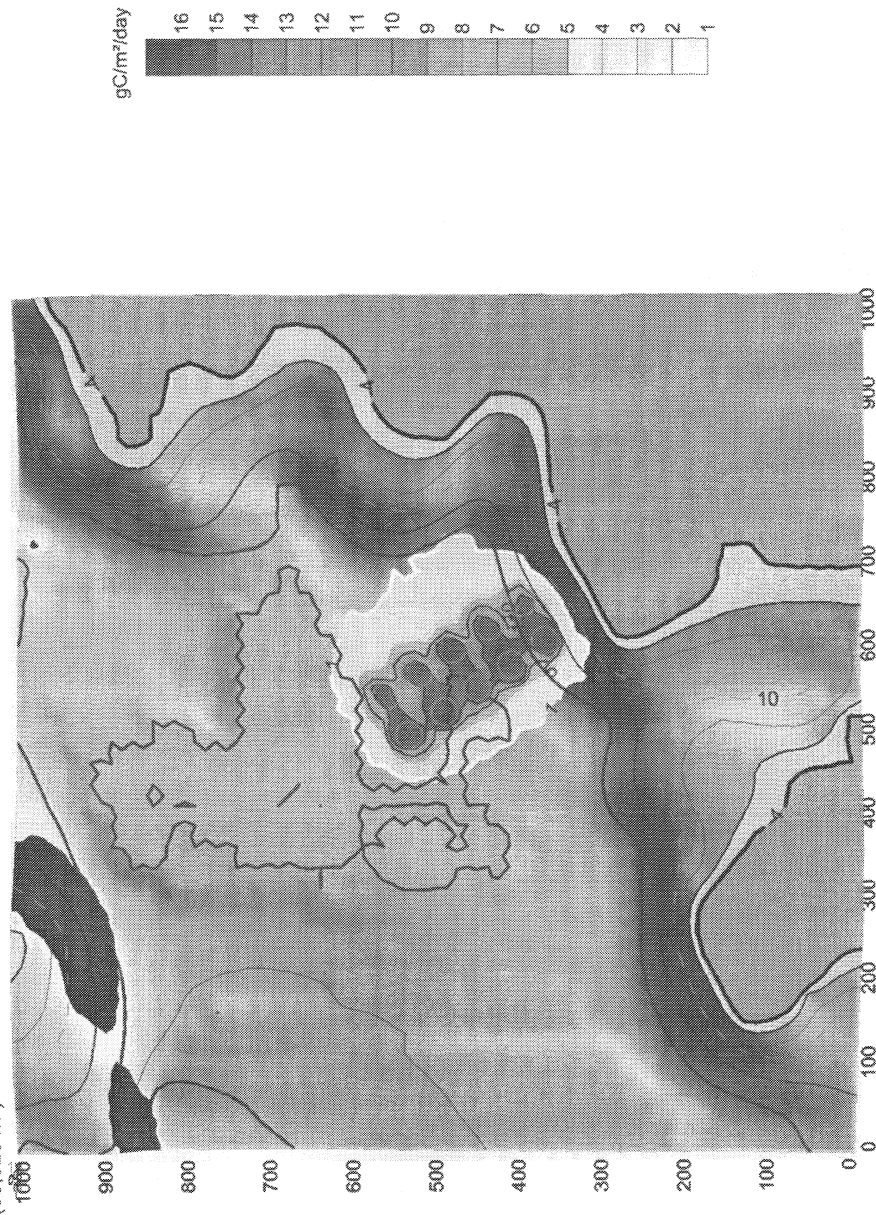


Figure 2. Predicted 'Carbon Flux' contours ( $\text{gC}/\text{m}^2/\text{day}$ ) at the Upper Retreat site based on the approved 2x5 90m and 120m circle cage configuration and 1840mt and an average feed rate of 460 kg/cage/day (120m pens) and 258 kg/cage/day (90m pens).

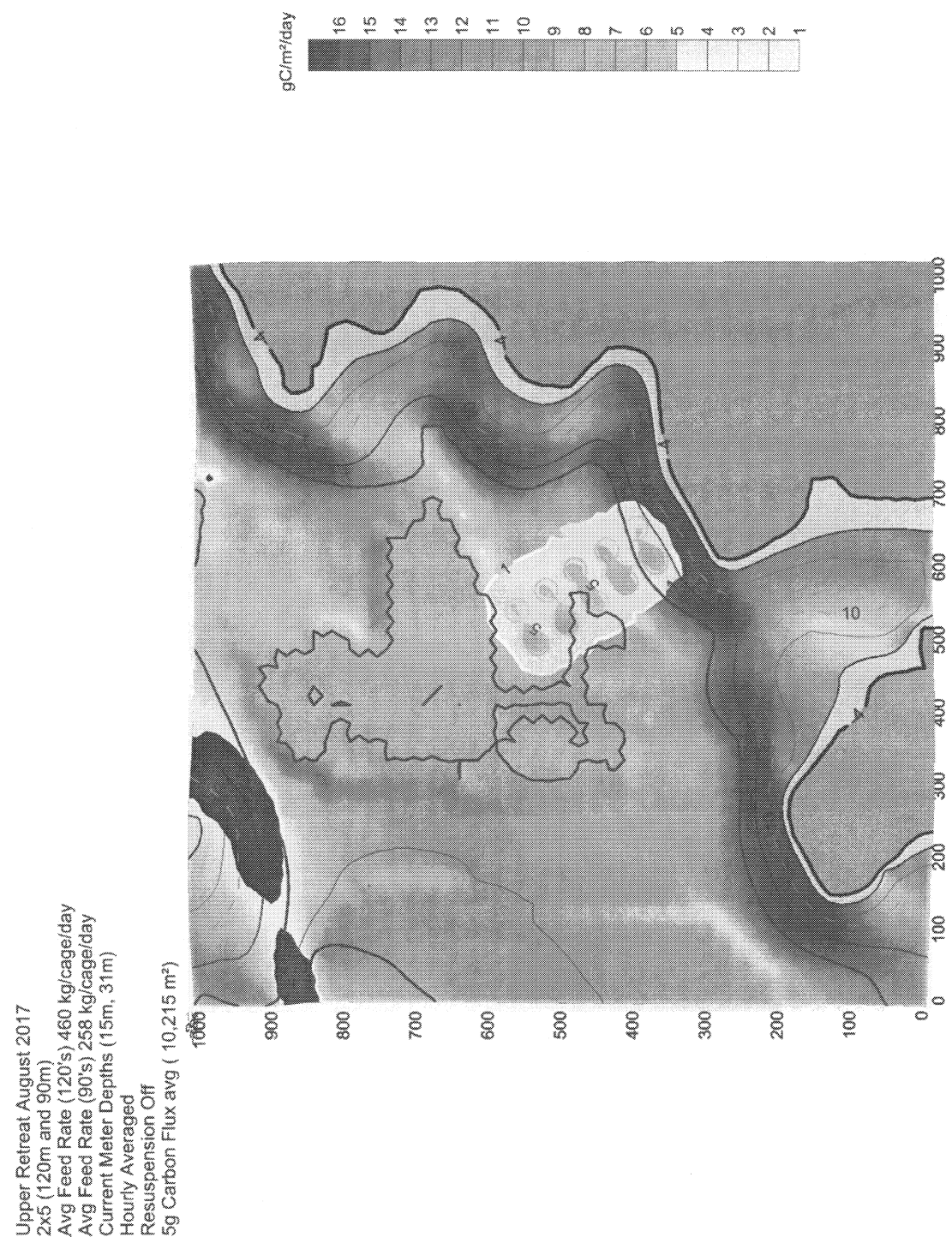


Figure 3. Predicted 'Carbon Flux' contours ( $\text{gC}/\text{m}^2/\text{day}$ ) at the Upper Retreat site based on the proposed 2x6 36m square cage configuration and 1840mt and a maximum feed rate of 964 kg/cage/day.

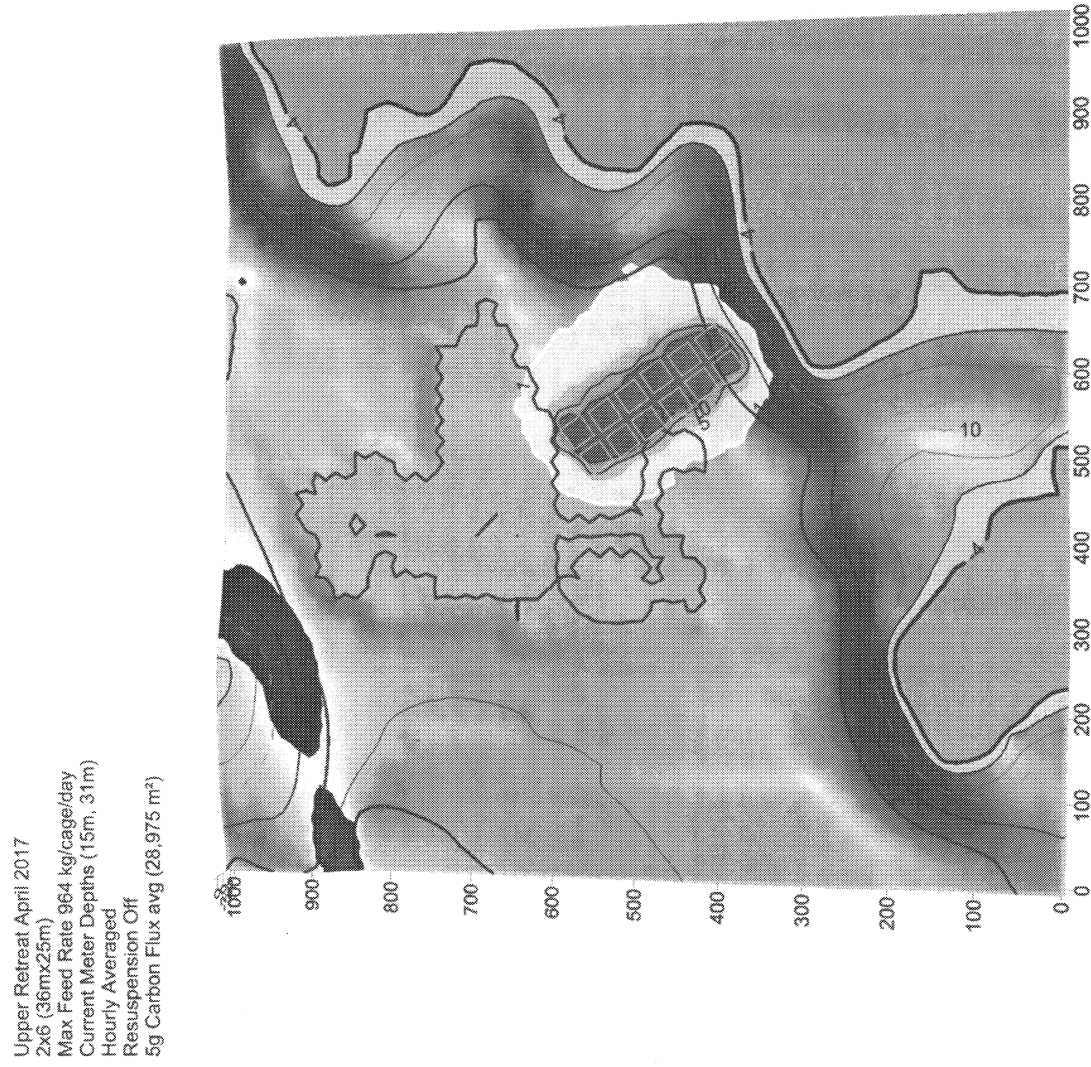


Figure 4. Predicted 'Carbon Flux' contours (gC/m<sup>2</sup>/day) at the Upper Retreat site based on the proposed 2x6 36m square cage configuration and **1840mt** and an average feed rate of 300 kg/cage/day.

Upper Retreat April 2017  
 2x6 (36mx25m)  
 Avg Feed Rate 300 kg/cage/day  
 Current Meter Depths (15m, 31m)  
 Hourly Averaged  
 Resuspension Off  
 5g Carbon Flux avg (13,446 m<sup>2</sup>)

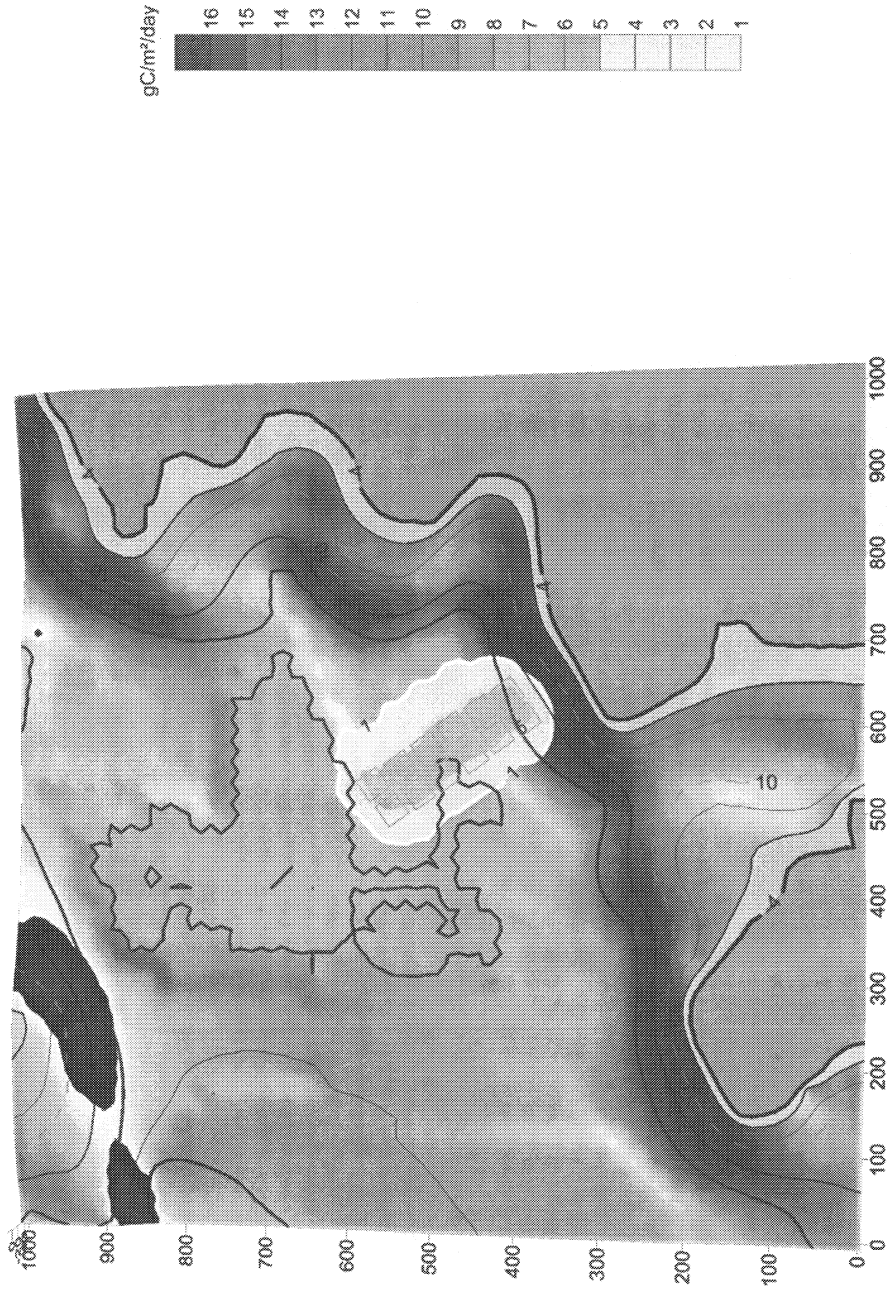




Figure 5. Predicted 'Carbon Flux' contours ( $\text{gC}/\text{m}^2/\text{day}$ ) at the Upper Retreat site based on the proposed 2x7 30m square cage configuration and **1840mt** and a maximum feed rate of 827 kg/cage/day.

Upper Retreat August 2017  
 2x7 (30m x 20m)  
 Max Feed Rate 827 kg/cage/day  
 Current Meter Depths (15m, 31m)  
 Hourly Averaged  
 Resuspension Off  
 5g Carbon Flux avg (28,201  $\text{m}^2$ )



Figure 6. Predicted 'Carbon Flux' contours (gC/m<sup>2</sup>/day) at the Upper Retreat site based on the proposed 2x7 30m square cage configuration and **1840mt** and an average feed rate of 257 kg/cage/day.

Upper Retreat August 2017  
2x7 (30m x 20m)  
Avg Feed Rate 257 kg/cage/day  
Current Meter Depths (15m, 31m)  
Hourly Averaged  
Resuspension Off  
5g Carbon Flux avg ( 13,019 m<sup>2</sup>)



Figure 7. Predicted overlap of 5g 'Carbon Flux' contours (gC/m<sup>2</sup>/day) for the previously approved and proposed containment array configurations at Upper Retreat.

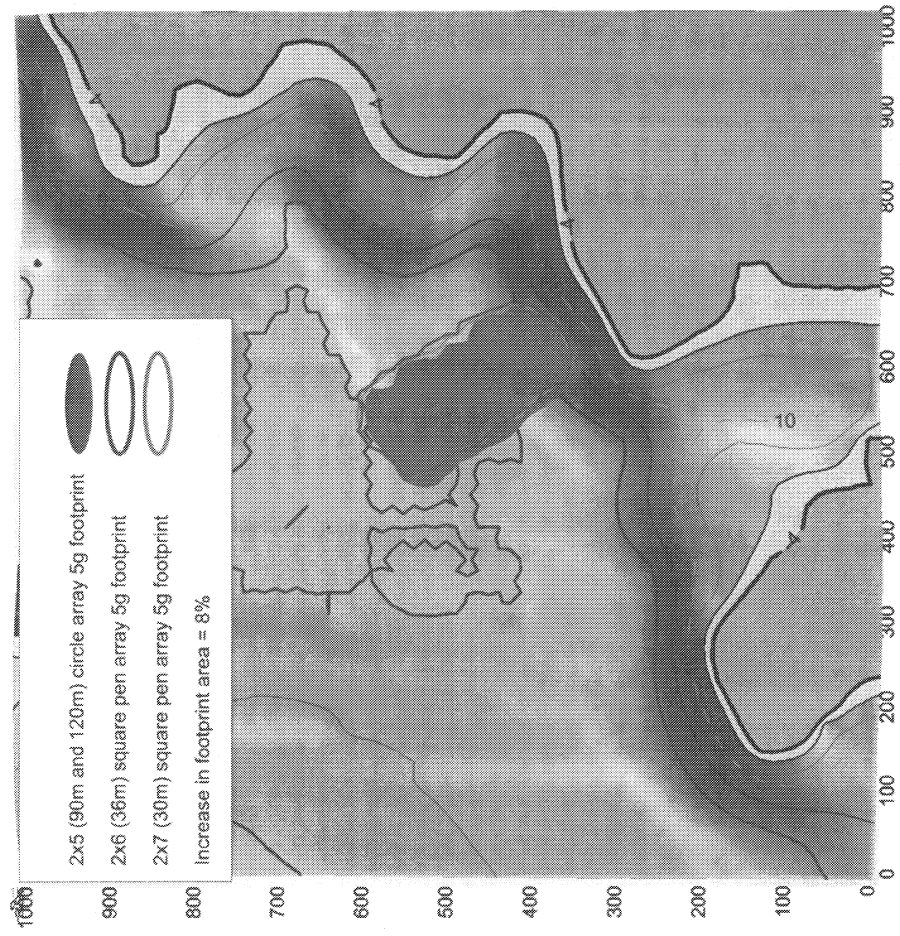


Table 1. Feed rates and predicted 5g 'Carbon Flux' averages for the previously approved and proposed containment structure arrays at the Upper Retreat site.

Configuration	Cage Type	Cage Size	Maximum Allowable Biomass (MAB)	Feed Rate (kg/cage/day)		5g Carbon Flux Avg (m <sup>2</sup> )		Previously Approved Configuration?
				Maximum	Average	Maximum	Average	
2x5	Circle	90m and 120m	1840mt	833/1481	258/460	30,829	10,215	yes
2x6	Square	36m	1840mt	964	300	28,975	13,446	no
2x7	Square	30m	1840mt	827	257	28,201	13,019	no

Table 2. DEPOMOD simulation input data.

Number of pens (Previously Approved)		12	Number of pens (Proposed)		14
Grouping		2 rows of 5	Grouping		2x7
Pen Type/size		90m and 120m circles	Pen Type/size		30m
Pen Depth		20m	Pen Depth		20m
Number of current velocity data sets used		2	Number of current velocity data sets used		2
Heights of mooring above sea bed		15m and 31m	Heights of mooring above sea bed		15m and 31m
Depth of water column at mooring		36m	Depth of water column at mooring		36m
Length of current velocity record		30 days	Length of current velocity record		30 days
Sampling interval (mins)		20	Sampling interval (mins)		20
Time step of data used in model		averaged hourly	Time step of data used in model		averaged hourly
Total number of time steps used in model		720	Total number of time steps used in model		720
Bathymetry from		OLEX	Bathymetry from		OLEX
Approx. Farm production		1840mt	Approx. Farm production		1840mt
Length of Production Cycle		360	Length of Production Cycle		360



## **Attachment #4**

### **Part III - Information for Fisheries and Oceans Canada (DFO)**

#### **Section C: Wild Fish, Fish Habitat and Siting Considerations**

1.4	Current Data
-----	--------------

## Data Processing and Reporting

The RCM9's were set for deployment using the electronic board control switches. Data is downloaded directly from the instrument and entered into a calibration coefficient file specific to that instrument. Data was then loaded into the EXCEL Hydrographic data analysis toolkit "HGDA.XLS" for QA/QC.

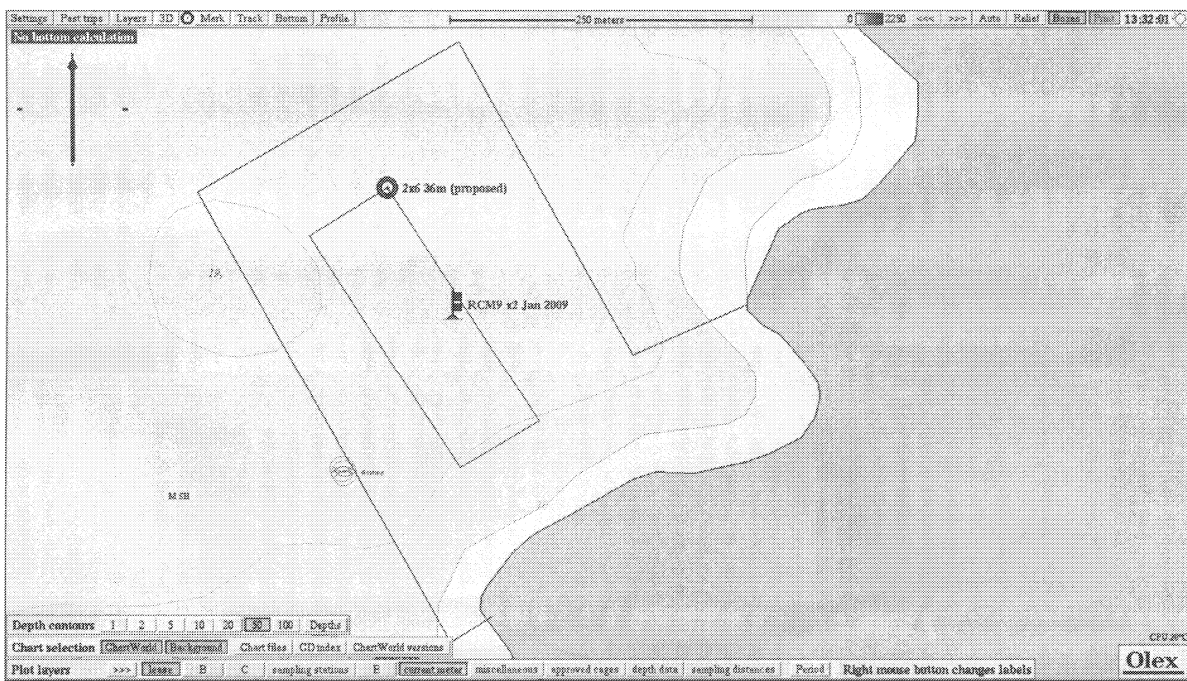
Current directions are degrees magnetic.

HGDA.XLS results for 15m and 31m (bottom+5m) depths are attached.

## Contact person responsible for collecting and reporting the current measurements:

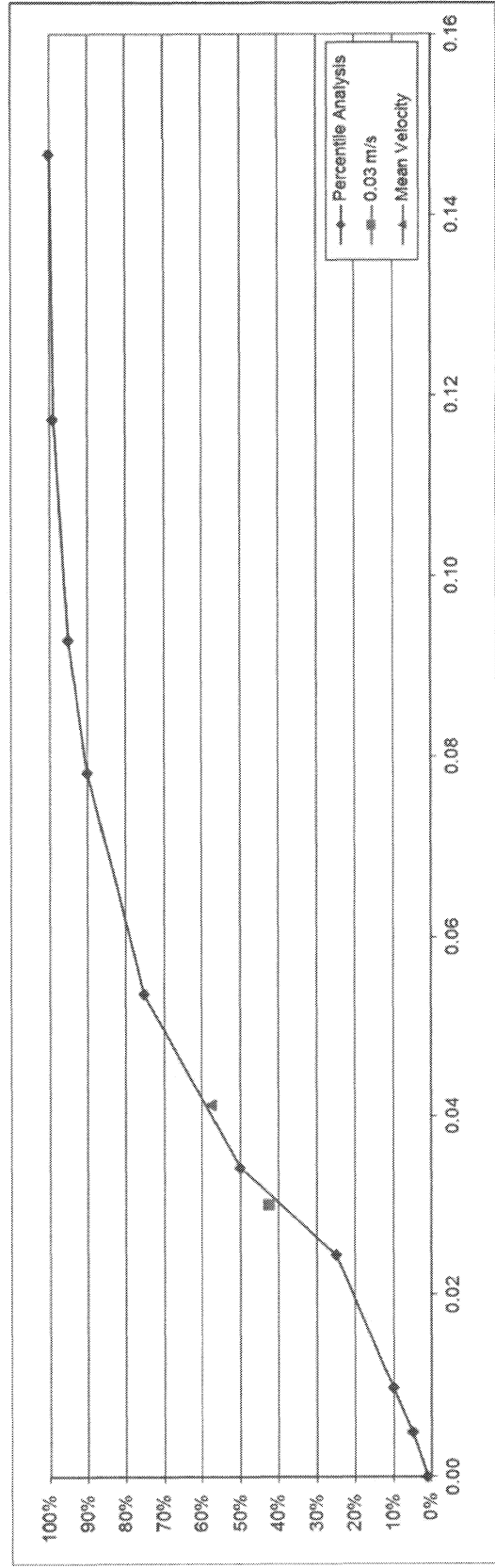
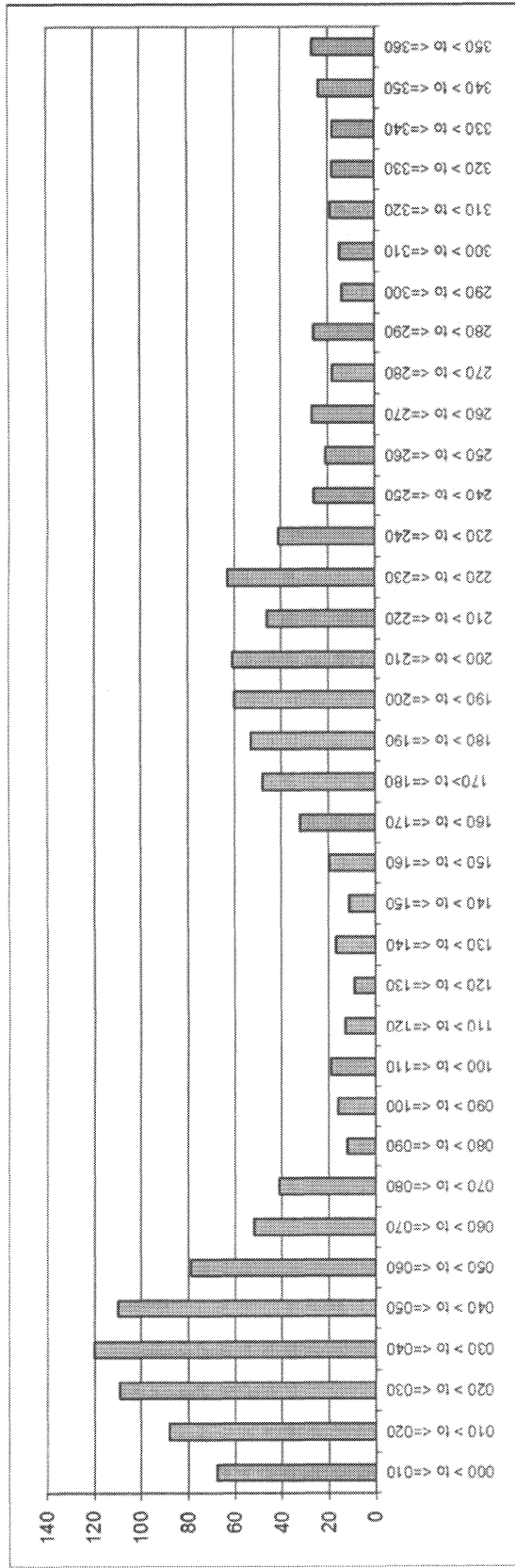
[REDACTED] (Marine Harvest Canada)

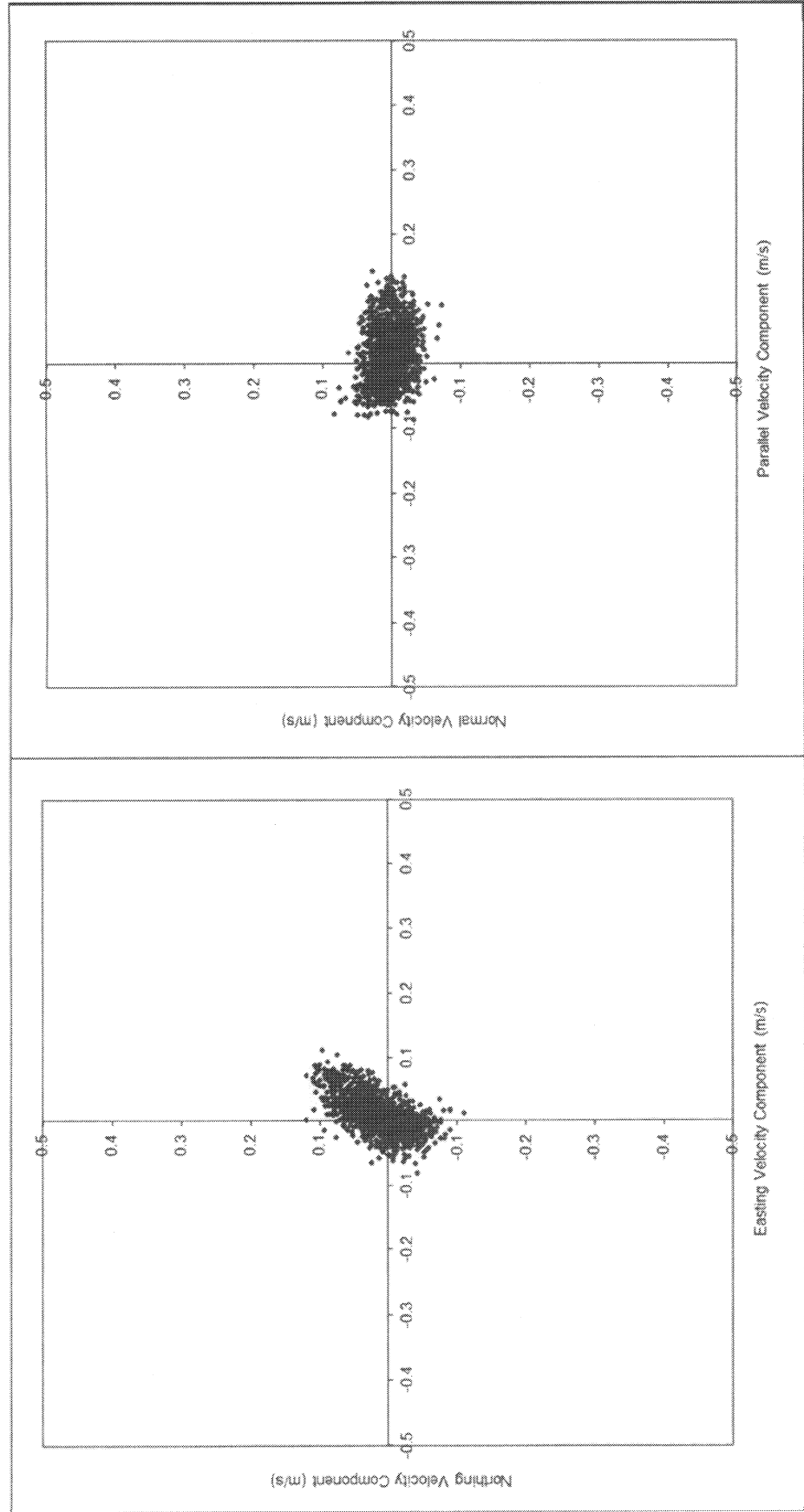
**Figure 1.** Location of the January/February 2009 current meter deployment at Upper Retreat relative to the cage array.

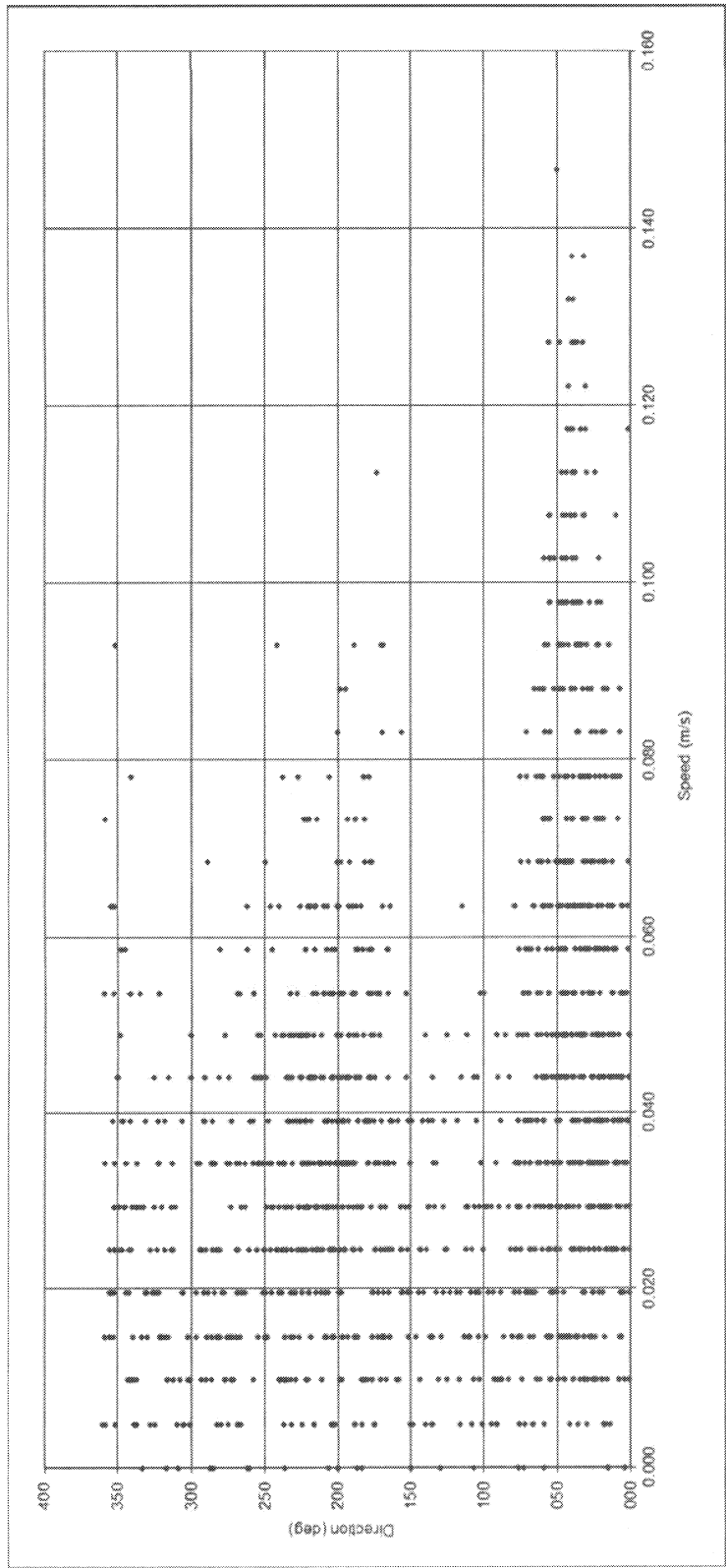


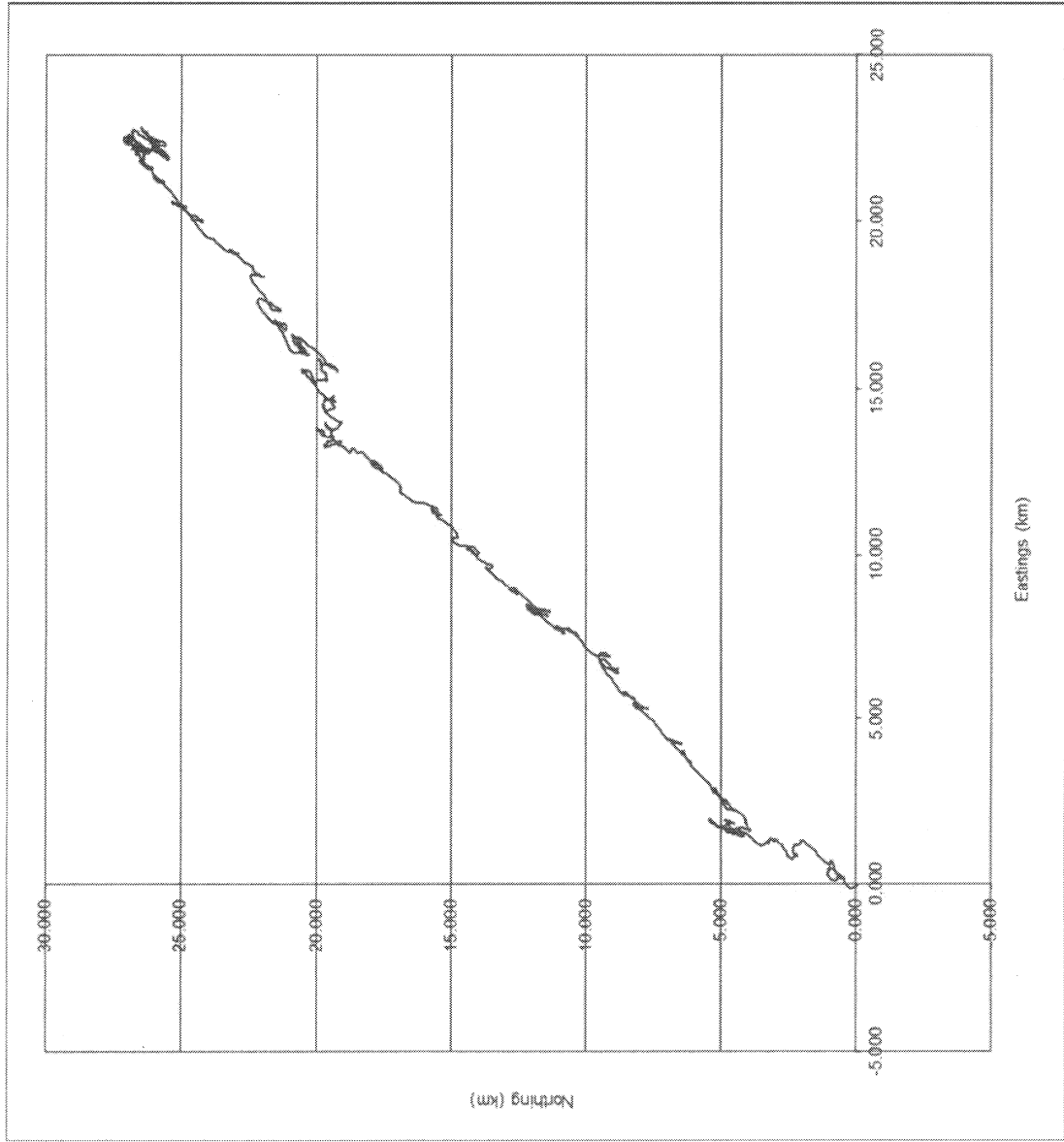
Site Name	Upper Retreat 15m	
Number of Records	1441	
Start Time	20/01/2009 13:15:00	
End Time	19/02/2009 13:15:00	
Speed		
Max	0.147	
Min	0.000	
Mean	0.041	
Major Axis (+ve)	40	
Minor Axis (+ve)	130	
Time Interval	30	
Parallel Component		
Max	0.144	
Min	-0.086	
Mean	0.013	
Normal Component		
Max	0.081	
Min	-0.074	
Mean	0.000	
Residual Current		
Speed	0.013	
Direction	40.067	
Major Axis (-ve)	220	
Minor Axis (-ve)	310	

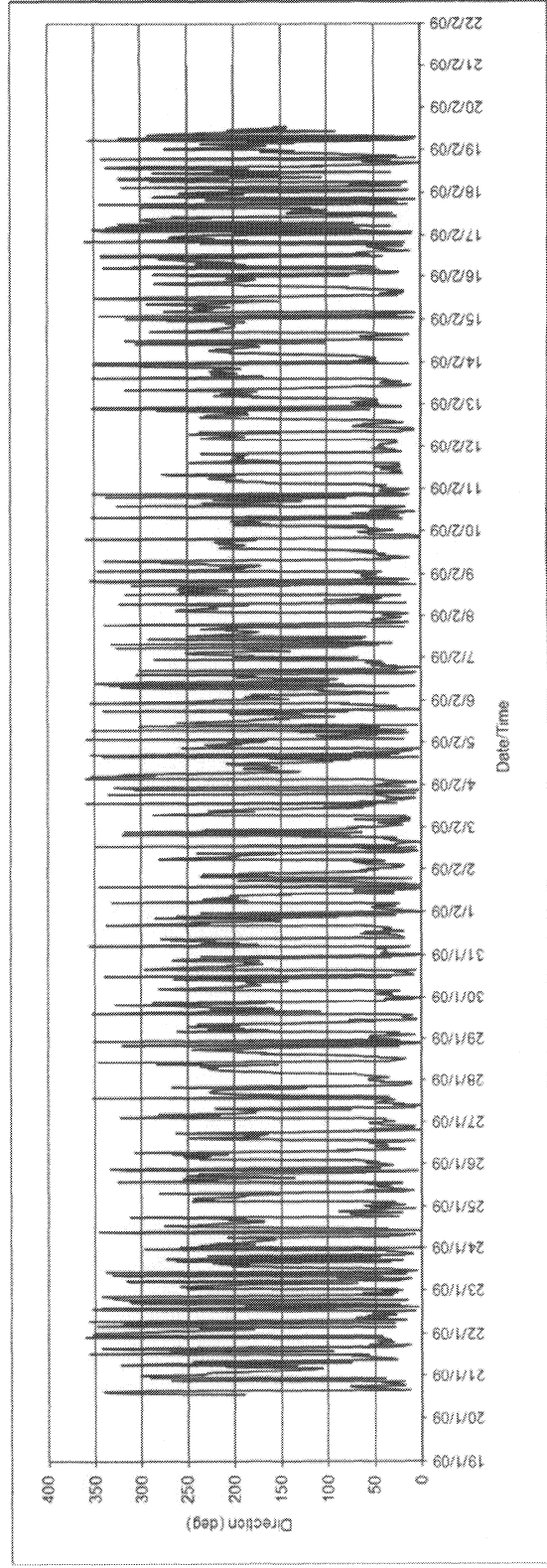
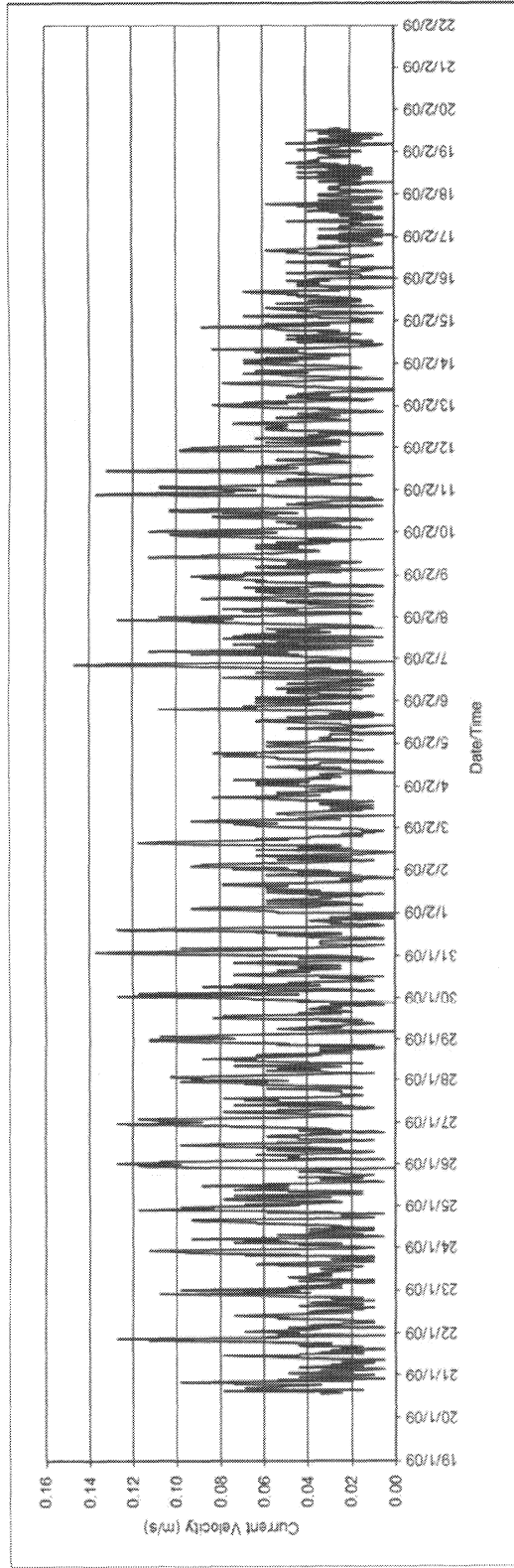
Date/Time Data		
Days	30	
Hours	0	
Mins	0	







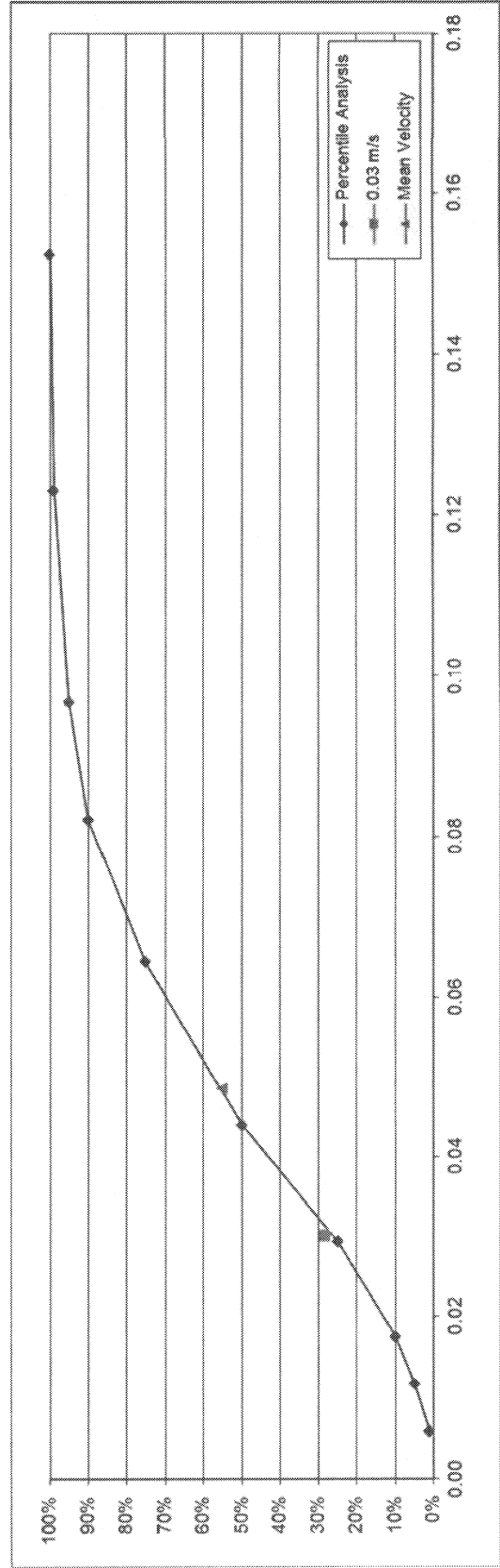
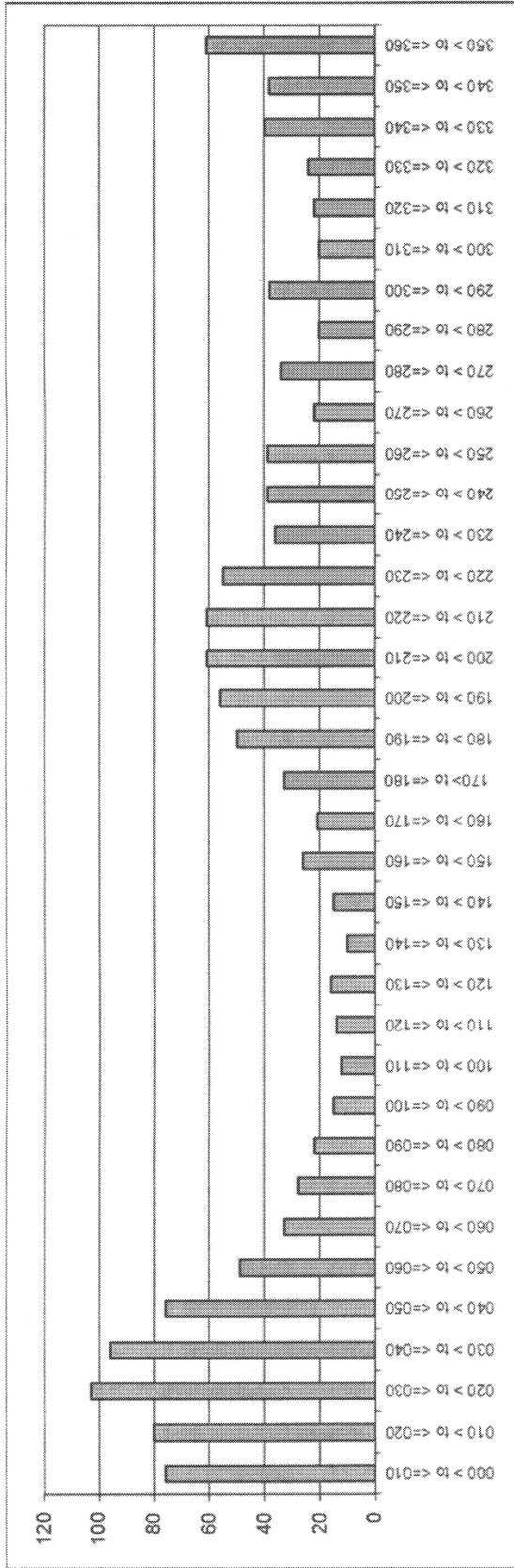


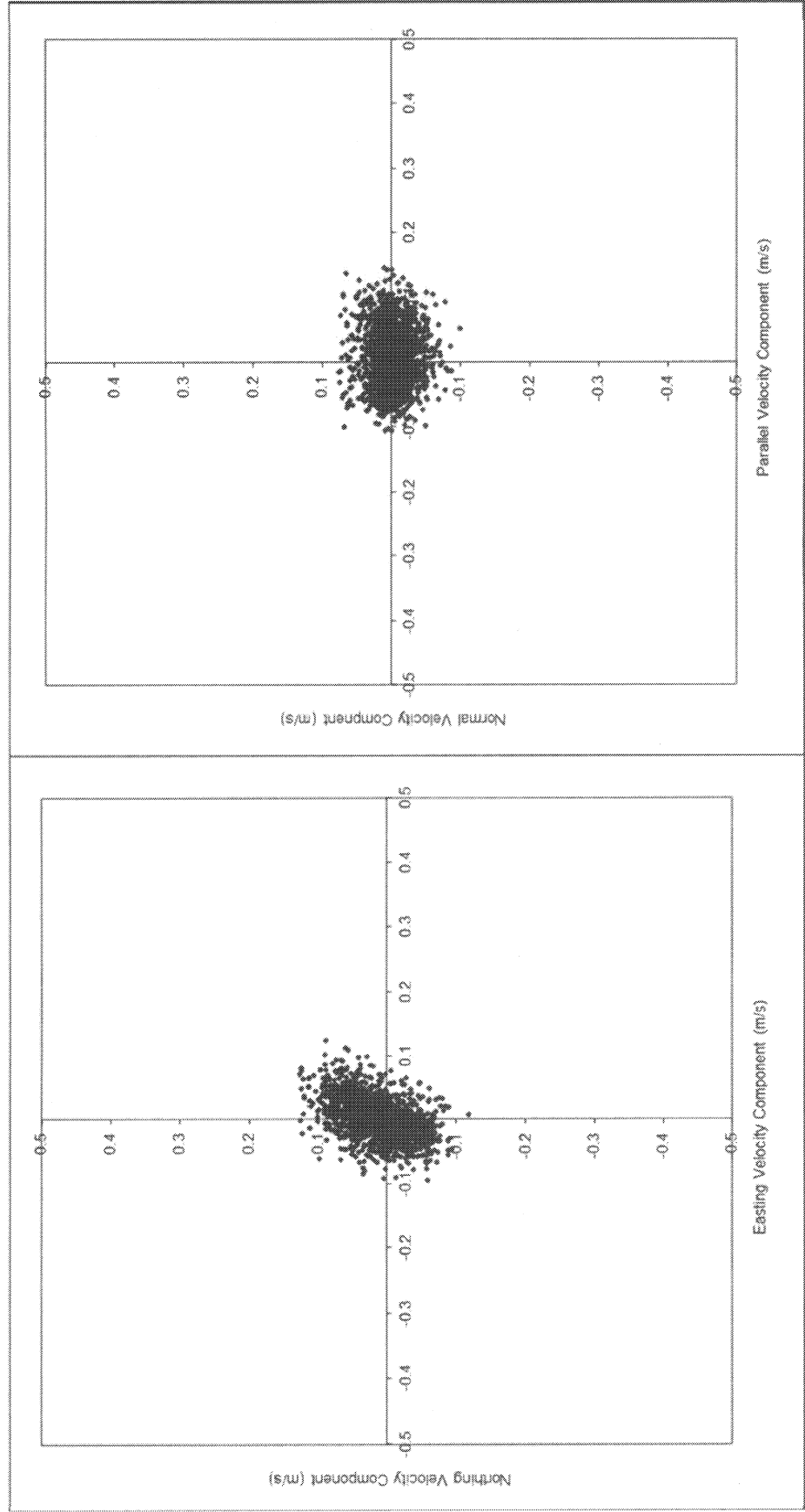


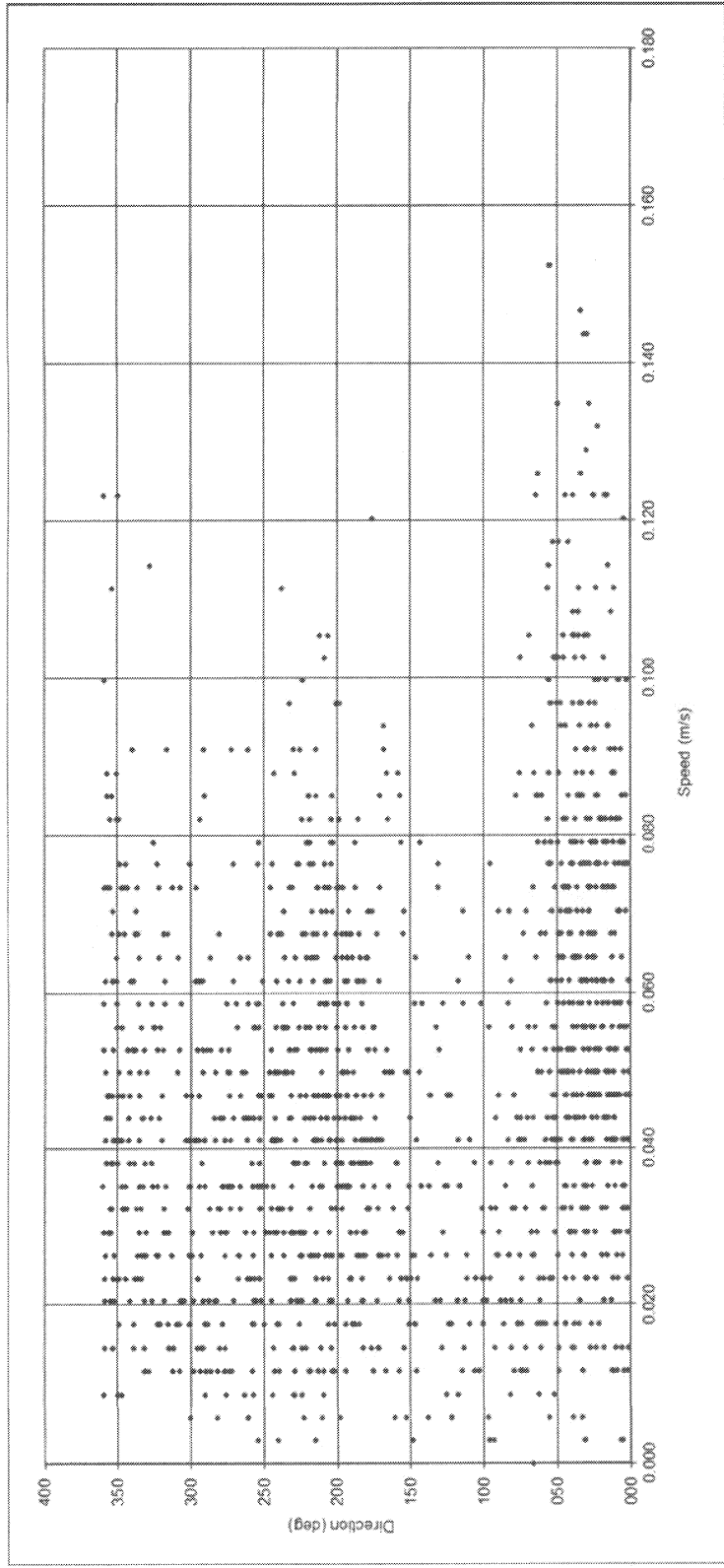


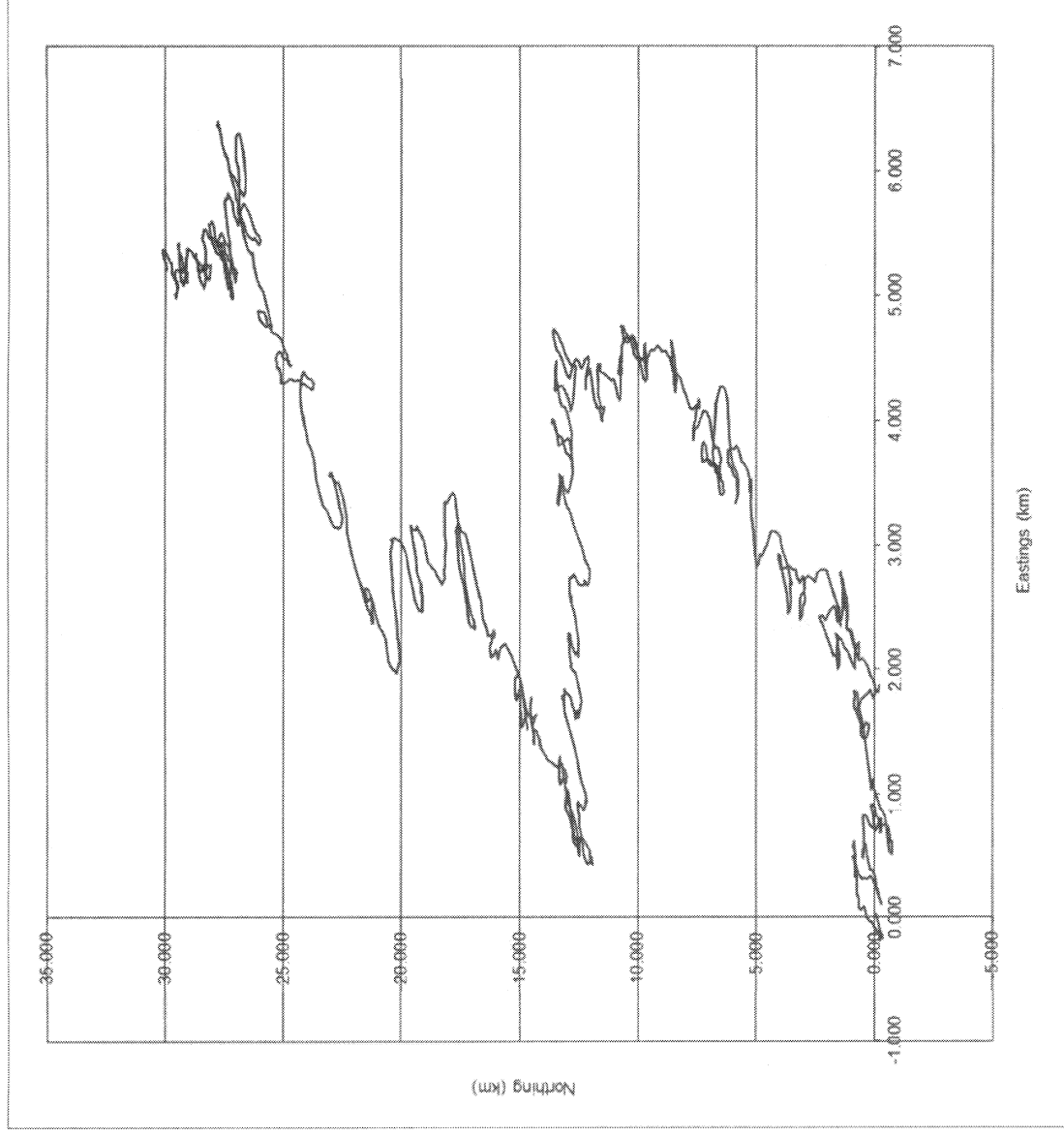
Direction	Freq	Speed	Freq	Percentile	Current Speed
000 > to <=010	68	0.000> to <=0.030	42.33171	1%	0.00
010 > to <=020	88	0.030> to <=0.050	28.24427	5%	0.00
020 > to <=030	109	0.050> to <=0.075	18.73699	10%	0.01
030 > to <=040	120	0.075> to <= 0.100	7.21721	25%	0.02
040 > to <=050	110	0.100> to <=0.125	2.637058	50%	0.03
050 > to <=060	79	0.125> to <=0.150	0.832755	75%	0.05
060 > to <=070	52	> 0.150	0	90%	0.08
070 > to <=080	41			95%	0.09
080 > to <=090	12			99%	0.12
090 > to <=100	16			100%	0.15
100 > to <=110	19			0.42	0.0301
110 > to <=120	13			0.58	0.04
120 > to <=130	9				
130 > to <=140	17				
140 > to <=150	11				
150 > to <=160	20				
160 > to <=170	32				
170> to <=180	48				
180 > to <=190	53				
190 > to <=200	60				
200 > to <=210	61				
210 > to <=220	46				
220 > to <=230	63				
230 > to <=240	41				
240 > to <=250	26				
250 > to <=260	21				
260 > to <=270	27				
270 > to <=280	18				
280 > to <=290	26				
290 > to <=300	14				
300 > to <=310	15				
310 > to <=320	19				
320 > to <=330	18				
330 > to <=340	18				
340 > to <=350	24				
350 > to <=360	27				

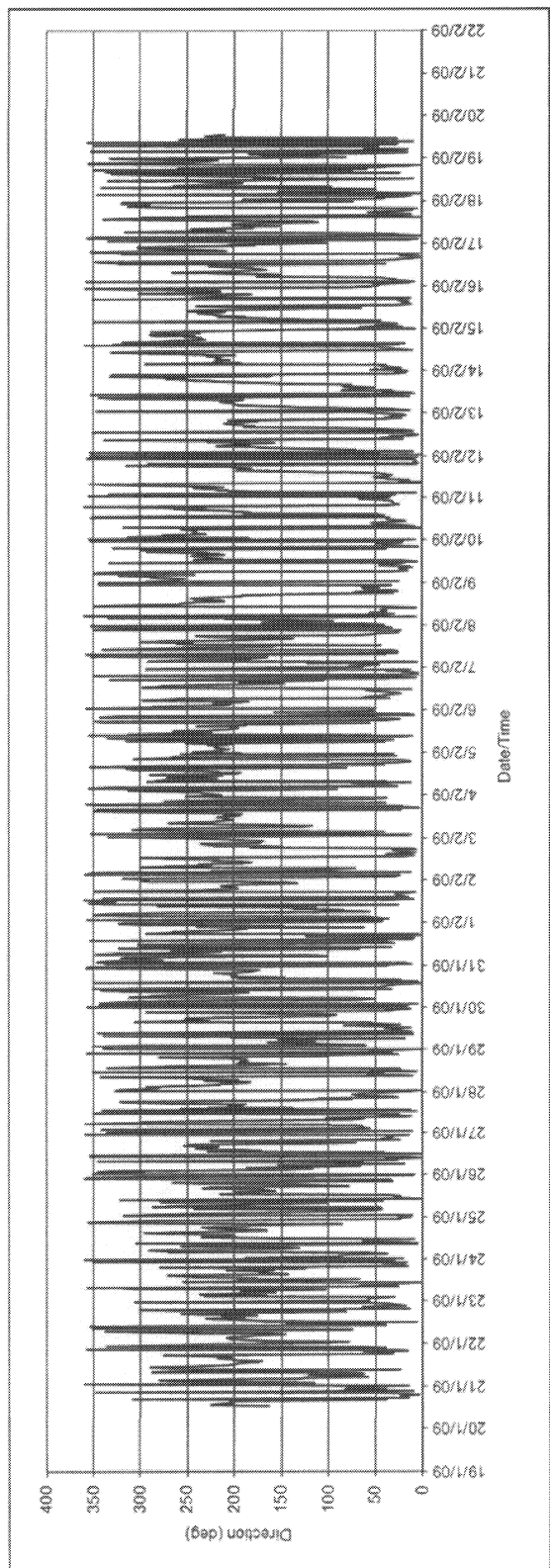
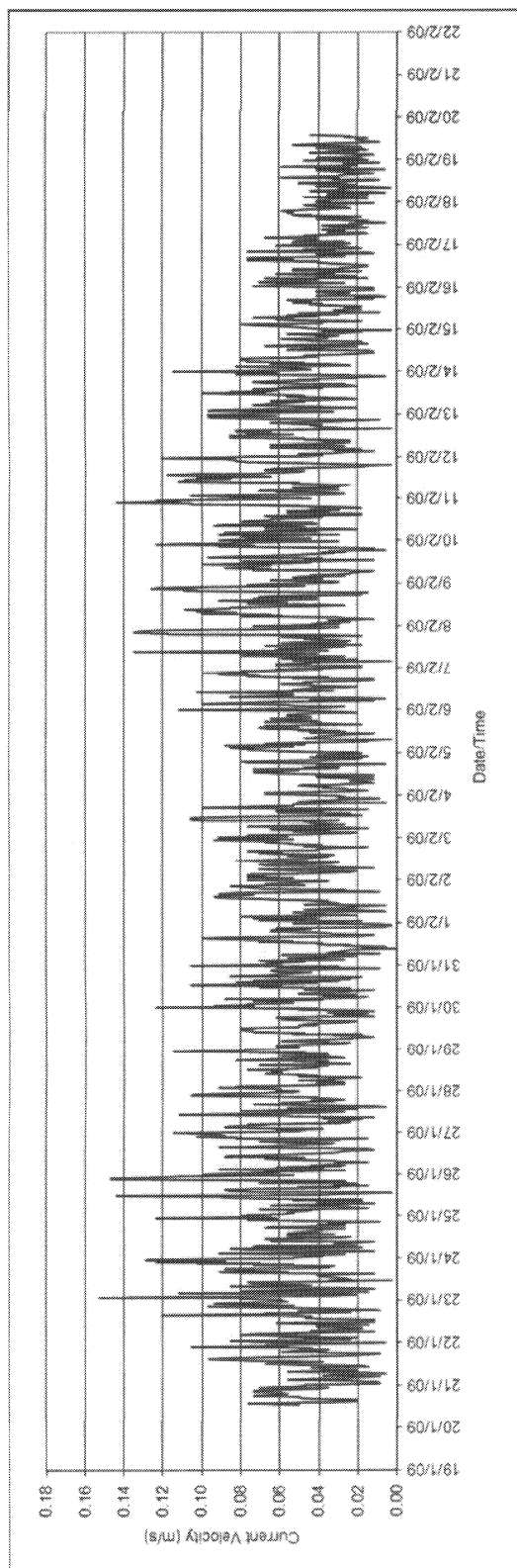
Site Name		Upper Retreat bottom +5m
Number of Records		1441
Start Time		20/01/2009 13:28:00
End Time		19/02/2009 13:27:00
Speed		
Max		0.153
Min		0.000
Mean		0.049
Major Axis (+ve)		30
Minor Axis (+ve)		120
Time Interval		30
Parallel Component		
Max		0.146
Min		-0.106
Mean		0.011
Normal Component		
Max		0.075
Min		-0.101
Mean		-0.004
Residual Current		
Speed		0.012
Direction		9.862
Major Axis (-ve)		210
Minor Axis (-ve)		300
Date/Time Data		
Days		29
Hours		23
Mins		59











Direction	Freq	Speed	Freq	Percentile	Current Speed
000 > to <=010	76	0.000> to <=0.030	28.17488	1%	0.01
010 > to <=020	80	0.030> to <=0.050	30.95073	5%	0.01
020 > to <=030	103	0.050> to <=0.075	24.70507	10%	0.02
030 > to <=040	96	0.075> to <= 0.100	12.14434	25%	0.03
040 > to <=050	76	0.100> to <=0.125	3.261624	50%	0.04
050 > to <=060	49	0.125> to <=0.150	0.693963	75%	0.06
060 > to <=070	33	> 0.150	0.069396	90%	0.08
070 > to <=080	28			95%	0.10
080 > to <=090	22			99%	0.12
090 > to <=100	15			100%	0.15
100 > to <=110	12			0.28	0.0301
110 > to <=120	14			0.55	0.05
120 > to <=130	16				
130 > to <=140	10				
140 > to <=150	15				
150 > to <=160	26				
160 > to <=170	21				
170> to <=180	33				
180 > to <=190	50				
190 > to <=200	56				
200 > to <=210	61				
210 > to <=220	61				
220 > to <=230	55				
230 > to <=240	36				
240 > to <=250	39				
250 > to <=260	39				
260 > to <=270	22				
270 > to <=280	34				
280 > to <=290	20				
290 > to <=300	38				
300 > to <=310	20				
310 > to <=320	22				
320 > to <=330	24				
330 > to <=340	40				
340 > to <=350	38				
350 > to <=360	61				



## **Attachment #5**

### **Part III - Information for Fisheries and Oceans Canada (DFO)**

#### **Section D: Management Plans**

	D2: Containment Array Management Plan
--	---------------------------------------

A Containment Array Management Plan will be submitted after approval of the proposed application and anchoring of the site infrastructure has been completed as per licence requirements.

### D3: Currents Metering

Current velocity and tidal water circulation studies for Upper Retreat were conducted over a period of one month as required by DFO. The maximum depth at the Upper Retreat lease site is approximately 40m below low tide. Current velocity and direction characteristics were collected at 15m below the surface and 5m off the bottom. Summary information for the two depths: 15m and 31m are shown in Table 1.

**Table 1.** Summary of Hydrographic Data at Upper Retreat (January/February 2009).

Depth (m)	Average Speed (cm/s)	Peak Speed (cm/s)	Dominant Current Direction ( $^{\circ}$ Mag)	Subdominant Current Direction ( $^{\circ}$ Mag)
15	4.1	14.7	40	230
31	4.9	15.3	30	210

#### Equipment

Aanderaa Instruments RCM9 Doppler Current Sensor.

#### Deployment Procedures

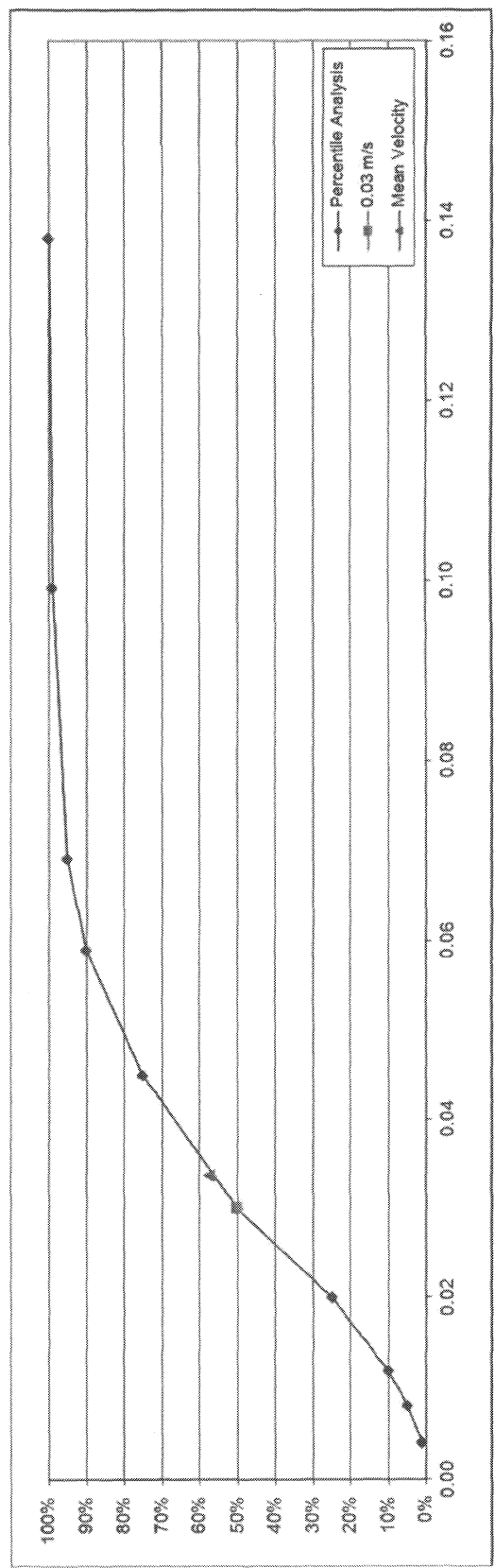
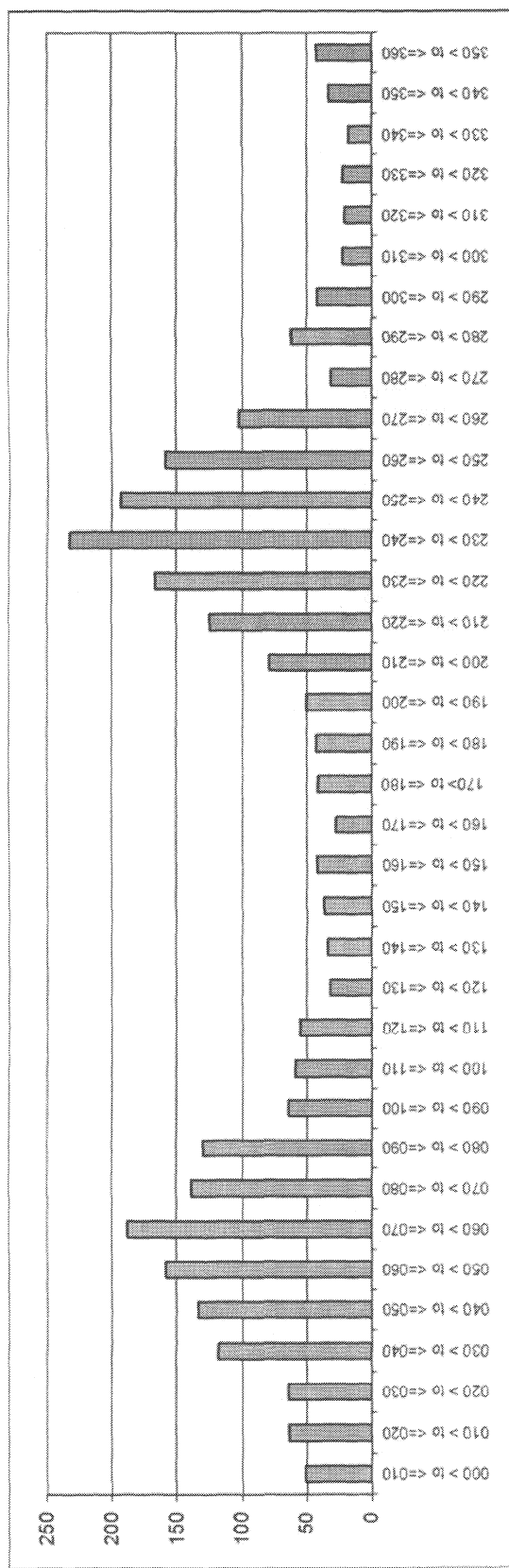
Synchronous collection of depth data using two RCM9 current meters at two depth levels.  
30 minute recording interval.

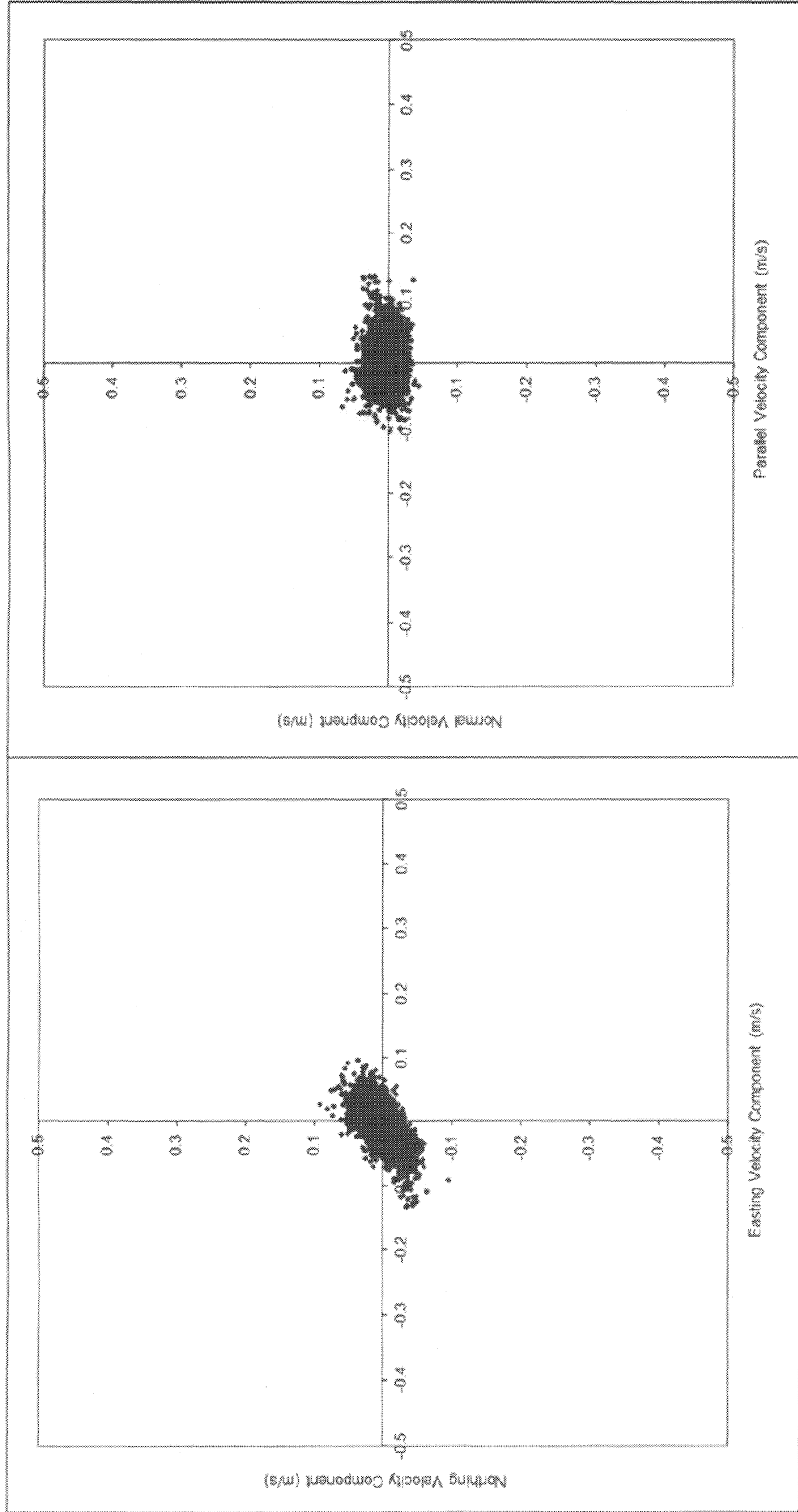
#### Current Meter Moorings and deployment Location

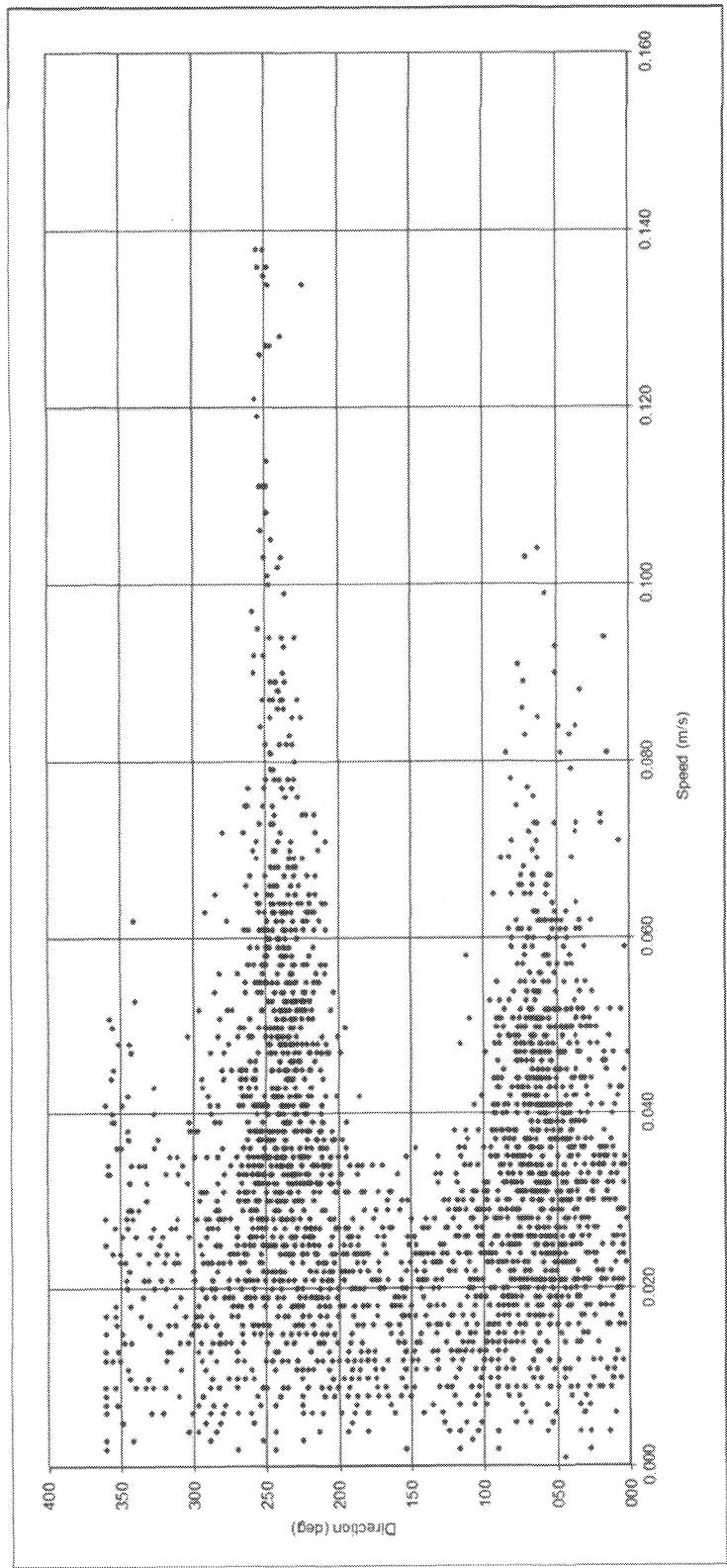
The RCM9's were deployed in the area of the approved cage locations (Figure 1.) using a 150lb anchor to submerge the meters. A subsurface float above the top meter kept the mooring line taught.

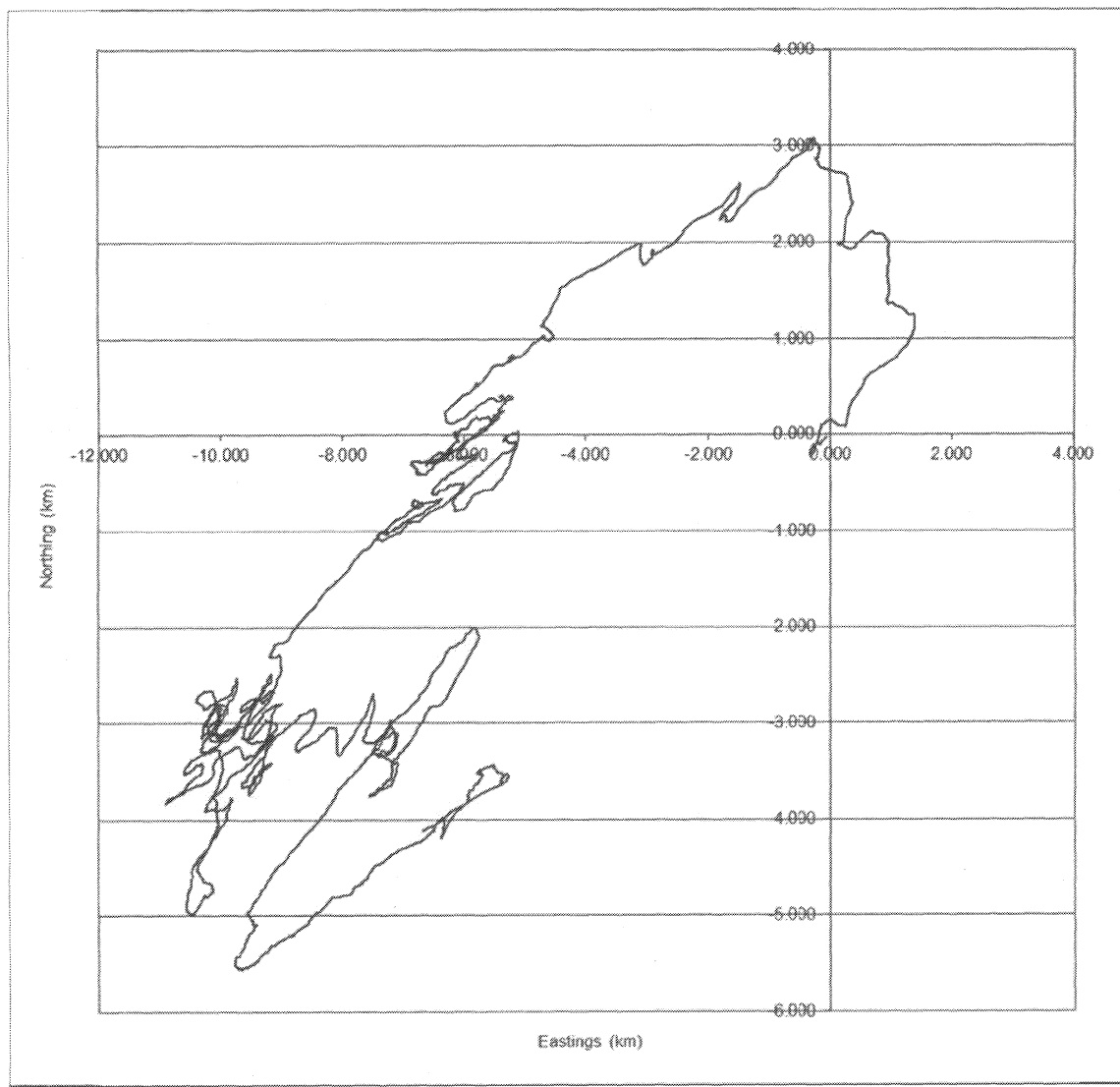
Latitude 50 43.319

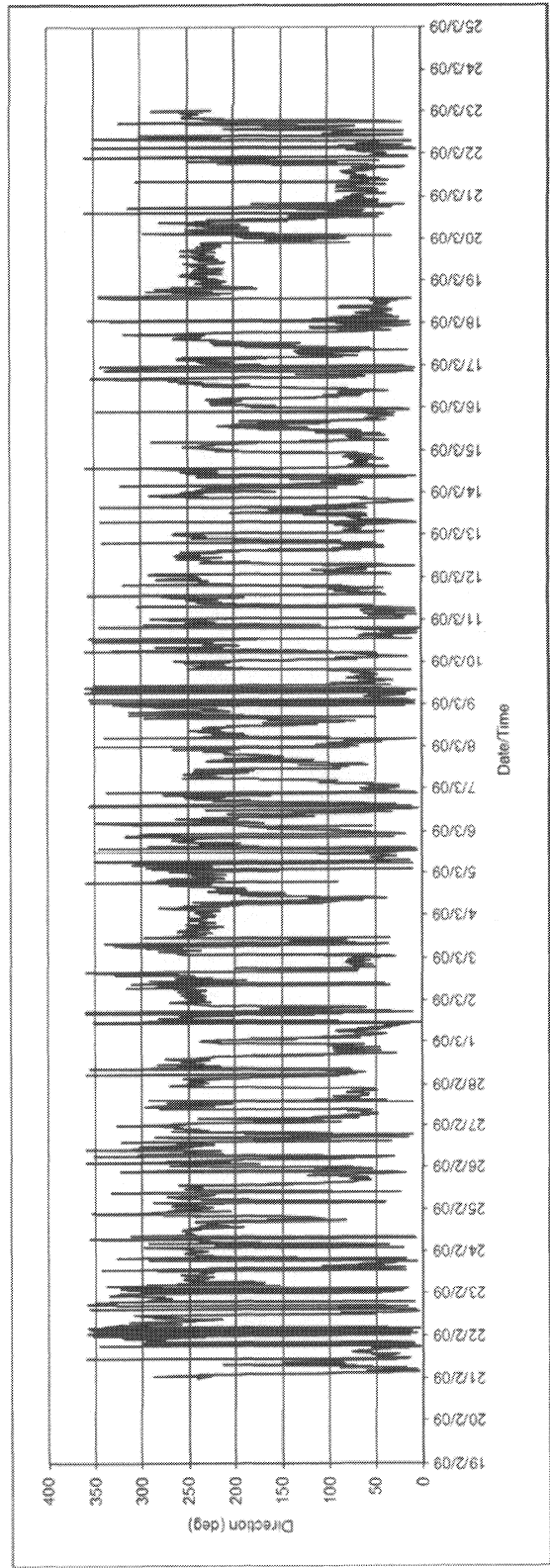
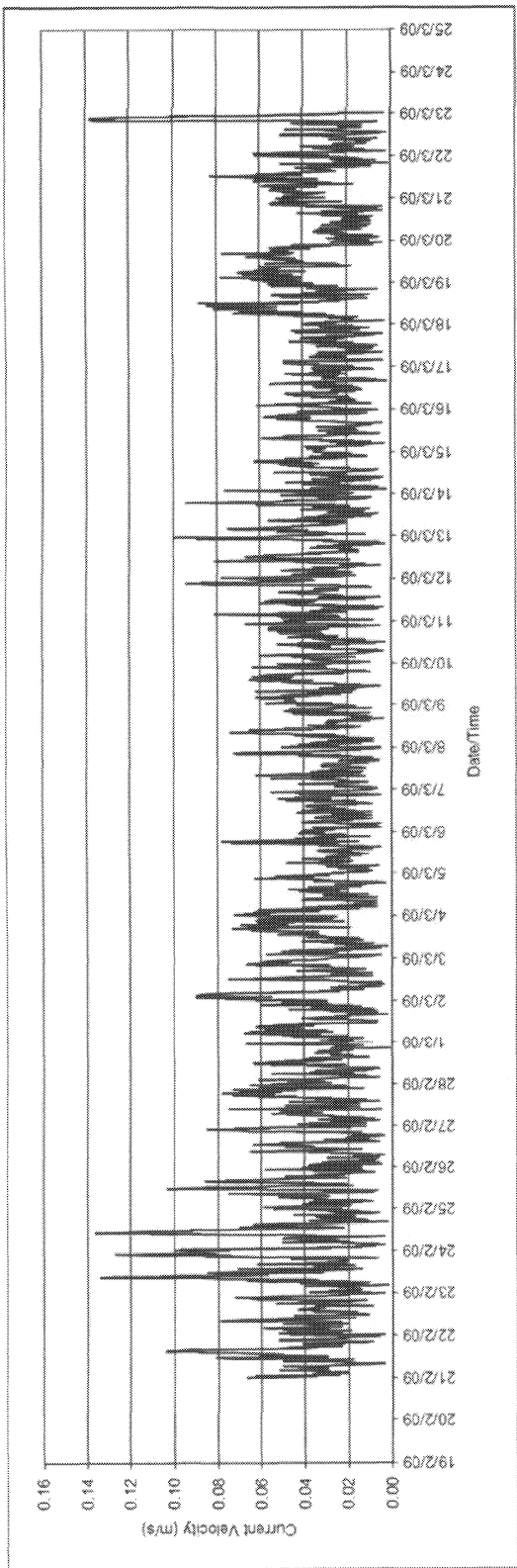
Longitude 126 34.069







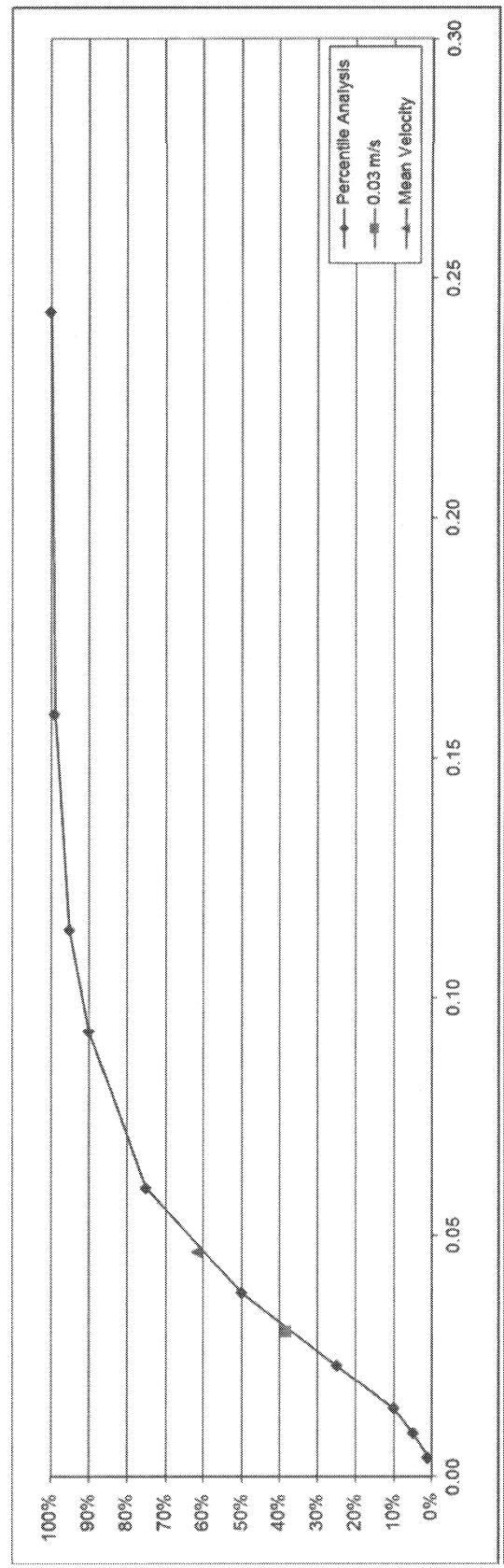
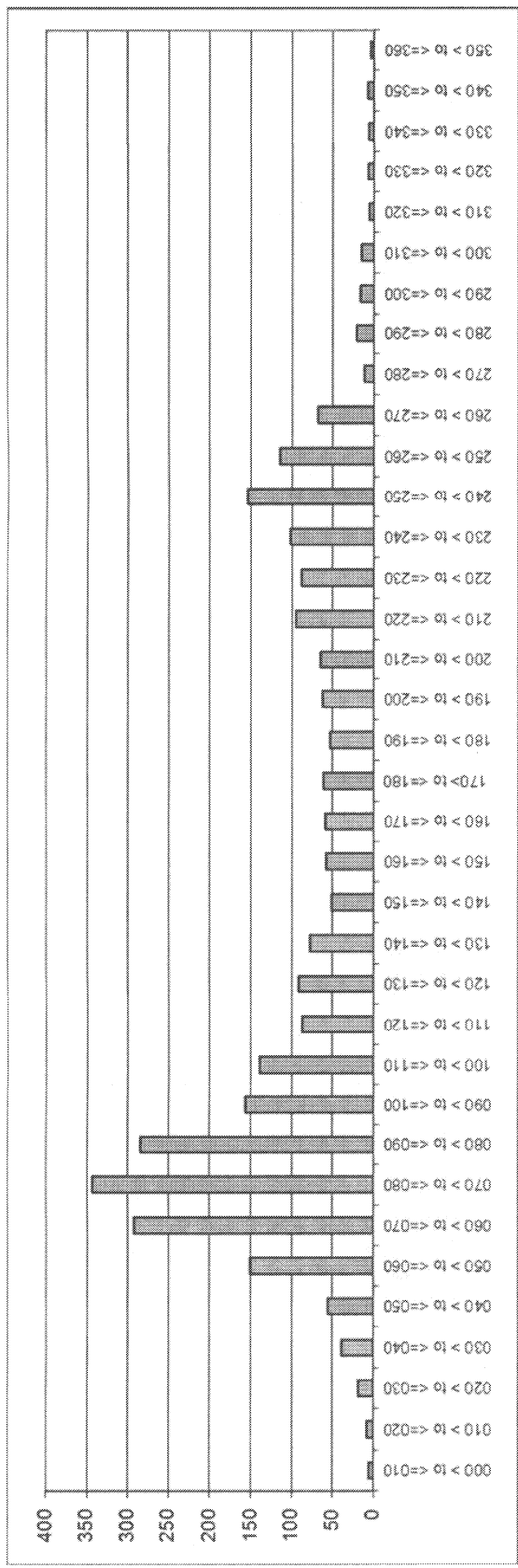


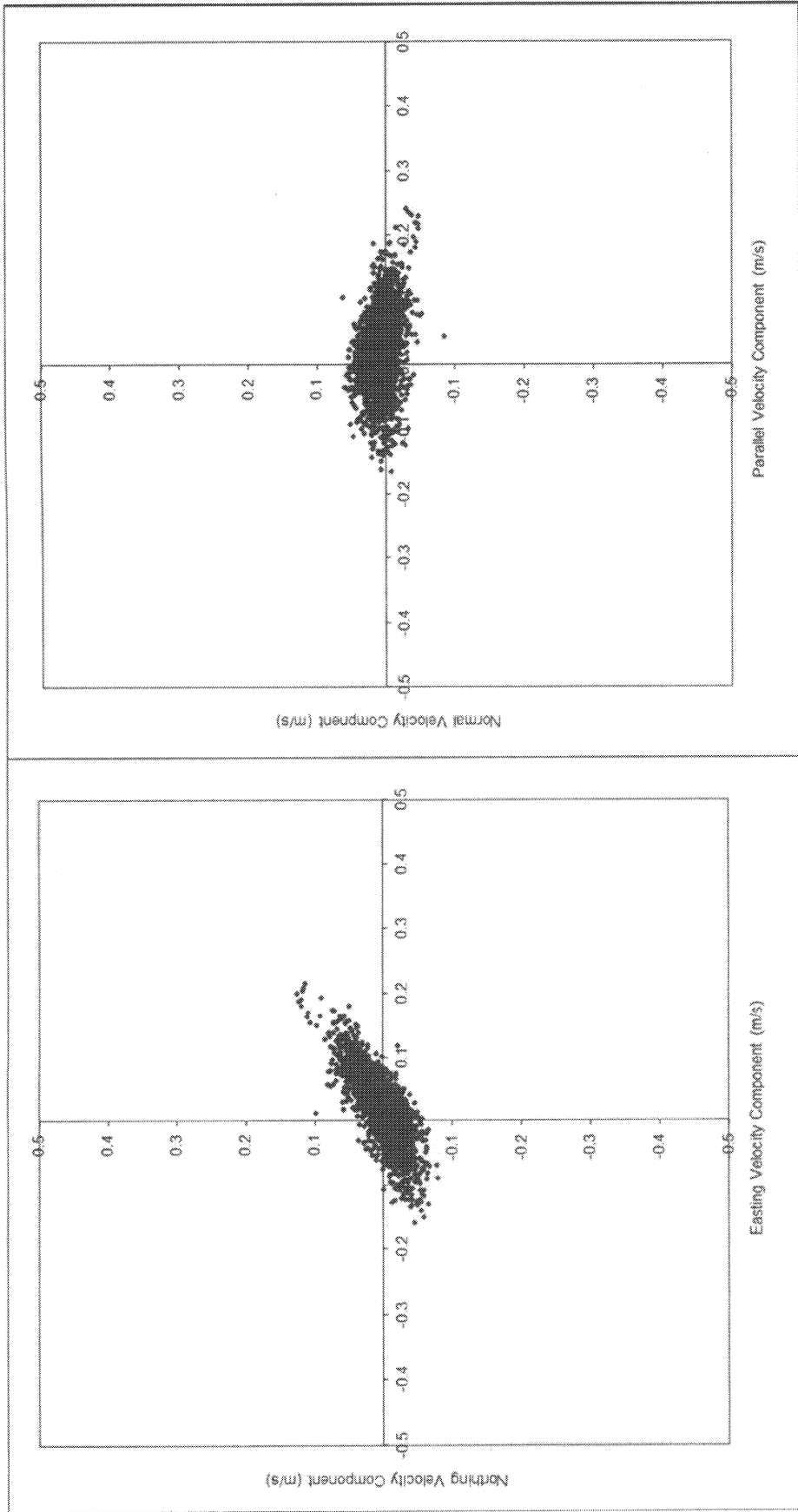


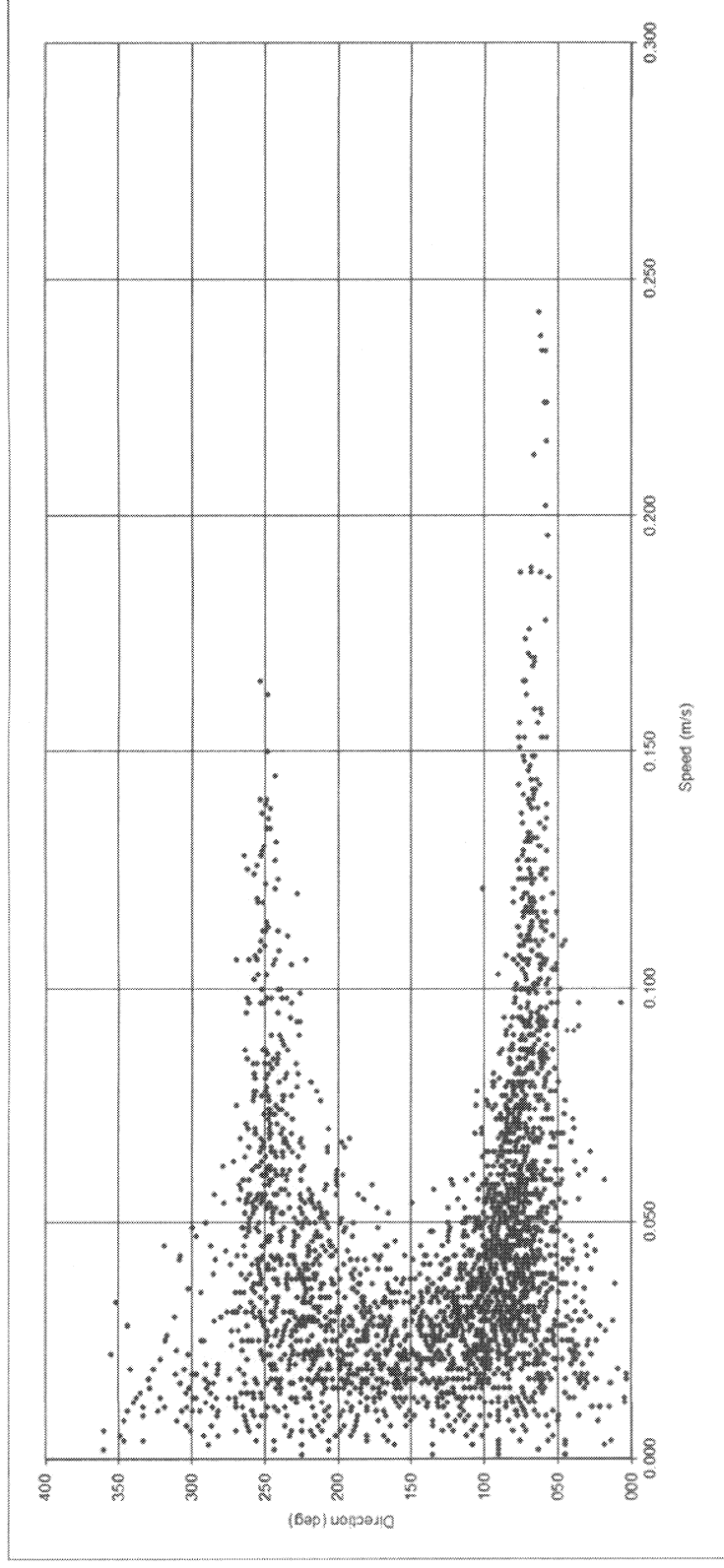
Direction	Freq	Speed	Freq	Percentile	Current Speed
000 > to <=010	51	0.000> to <=0.030	50.38168	1%	0.00
010 > to <=020	63	0.030> to <=0.050	32.09577	5%	0.01
020 > to <=030	64	0.050> to <=0.075	13.98334	10%	0.01
030 > to <=040	118	0.075> to <= 0.100	2.567661	25%	0.02
040 > to <=050	134	0.100> to <=0.125	0.55517	50%	0.03
050 > to <=060	159	0.125> to <=0.150	0.416378	75%	0.05
060 > to <=070	188	> 0.150	0	90%	0.06
070 > to <=080	139			95%	0.07
080 > to <=090	130			99%	0.10
090 > to <=100	64			100%	0.14
100 > to <=110	59			0.50	0.0301
110 > to <=120	55			0.57	0.03
120 > to <=130	32				
130 > to <=140	34				
140 > to <=150	37				
150 > to <=160	42				
160 > to <=170	27				
170> to <=180	41				
180 > to <=190	43				
190 > to <=200	50				
200 > to <=210	79				
210 > to <=220	125				
220 > to <=230	167				
230 > to <=240	233				
240 > to <=250	193				
250 > to <=260	159				
260 > to <=270	102				
270 > to <=280	31				
280 > to <=290	62				
290 > to <=300	42				
300 > to <=310	22				
310 > to <=320	21				
320 > to <=330	22				
330 > to <=340	18				
340 > to <=350	33				
350 > to <=360	43				

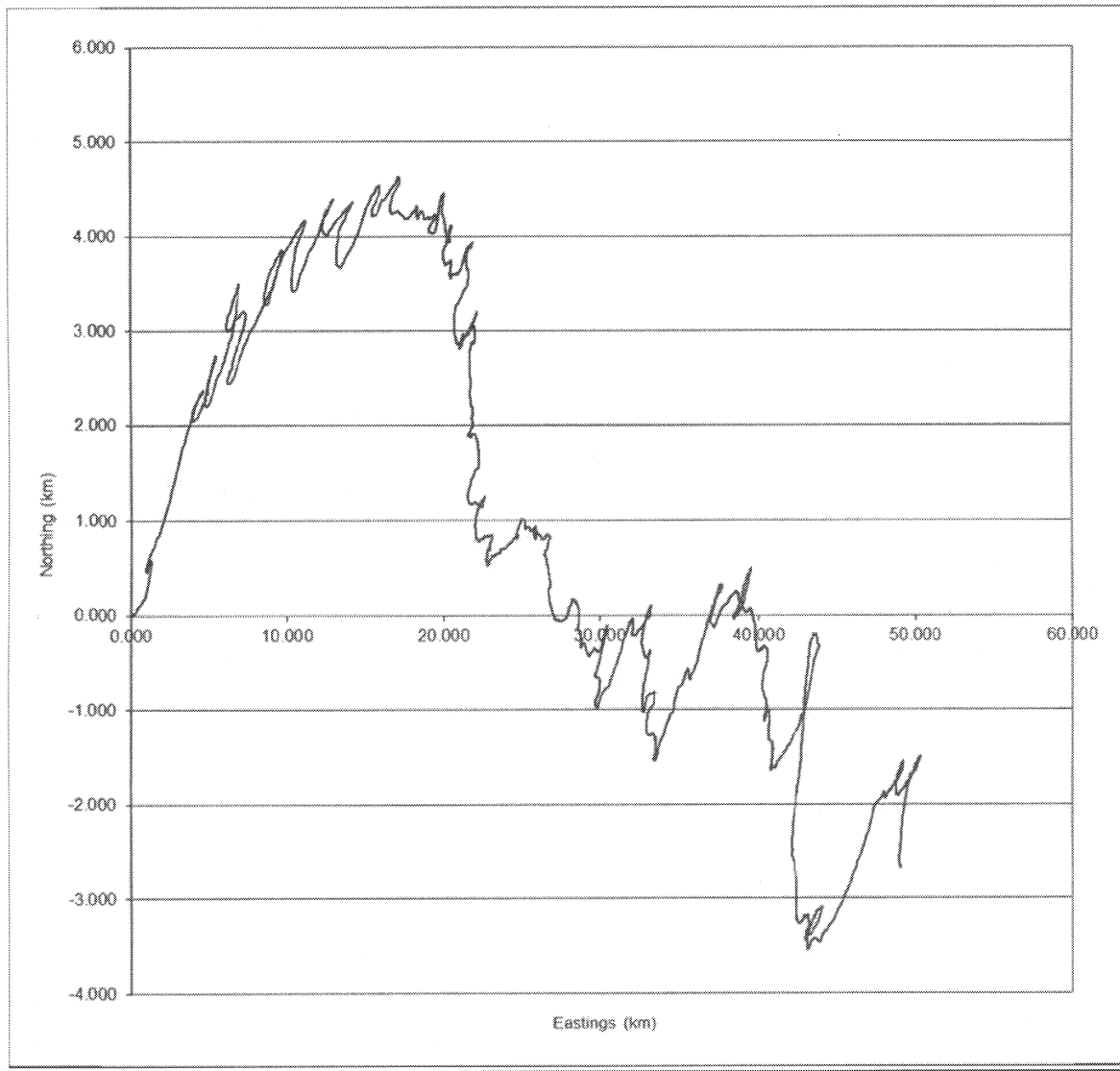


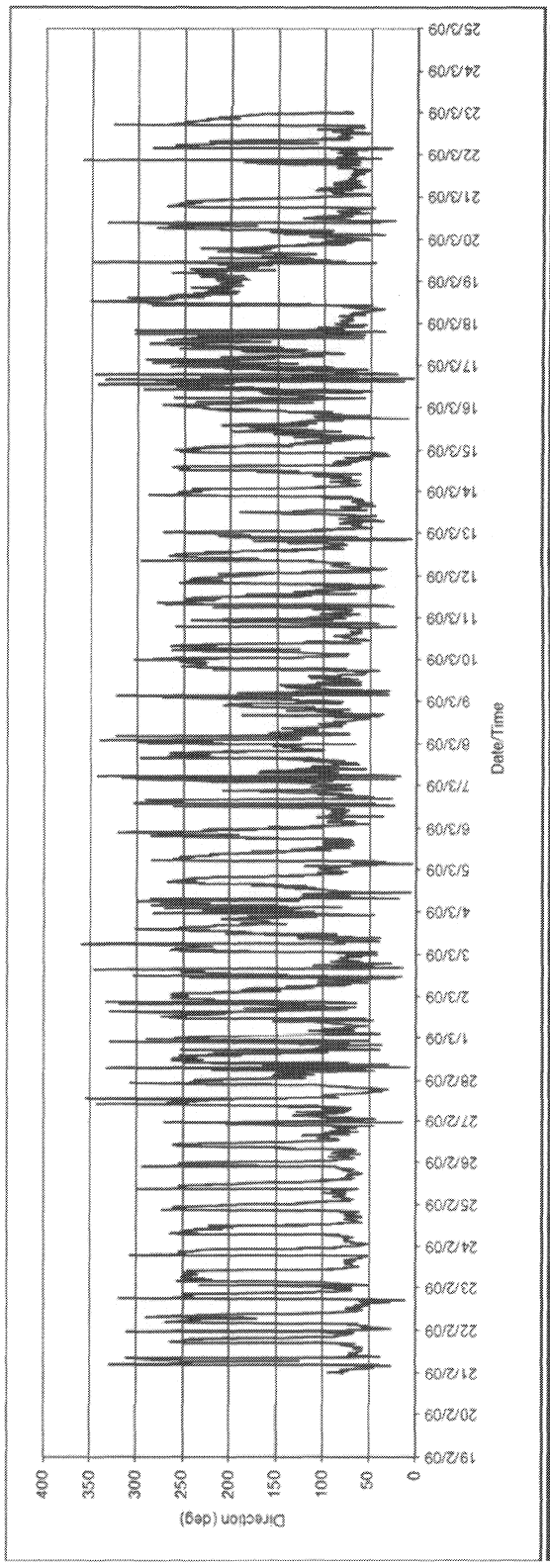
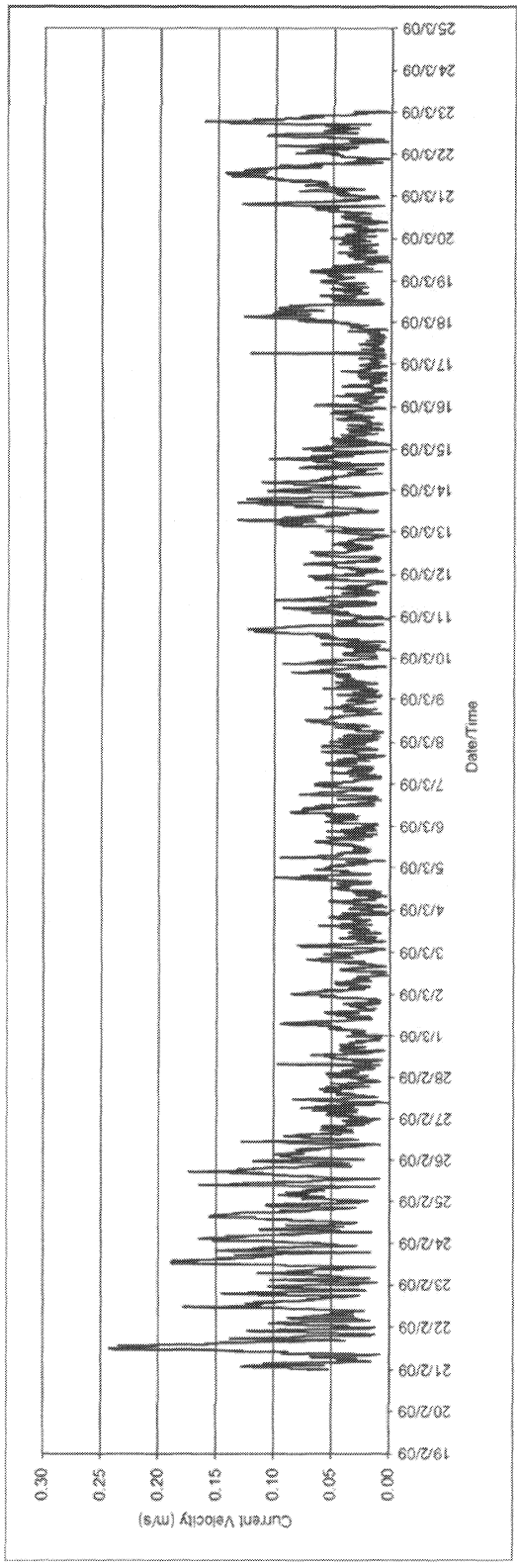
Site Name	Port E 51m
Number of Records	2882
Start Time	21/02/2009 00:00:00
End Time	23/03/2009 00:15:00
Speed	
Max	0.243
Min	0.001
Mean	0.047
Major Axis (+ve)	70
Minor Axis (+ve)	160
Time Interval	15
Parallel Component	
Max	0.241
Min	-0.165
Mean	0.017
Normal Component	
Max	0.061
Min	-0.086
Mean	0.007
Residual Current	
Speed	0.019
Direction	93.112
Major Axis (-ve)	250
Minor Axis (-ve)	340
Date/Time Data	
Days	30
Hours	0
Mins	15











Direction	Freq	Speed	Freq	Percentile	Current Speed
000 > to <=010	6	0.000> to <=0.030	38.30673	1%	0.00
010 > to <=020	9	0.030> to <=0.050	27.8626	5%	0.01
020 > to <=030	19	0.050> to <=0.075	17.76544	10%	0.01
030 > to <=040	39	0.075> to <= 0.100	8.223456	25%	0.02
040 > to <=050	56	0.100> to <=0.125	4.476058	50%	0.04
050 > to <=060	151	0.125> to <=0.150	2.047189	75%	0.06
060 > to <=070	293	> 0.150	1.318529	90%	0.09
070 > to <=080	343			95%	0.11
080 > to <=090	285			99%	0.16
090 > to <=100	157			100%	0.24
100 > to <=110	139			0.38	0.0301
110 > to <=120	87			0.62	0.05
120 > to <=130	92				
130 > to <=140	78				
140 > to <=150	51				
150 > to <=160	58				
160 > to <=170	59				
170 > to <=180	61				
180 > to <=190	53				
190 > to <=200	63				
200 > to <=210	65				
210 > to <=220	96				
220 > to <=230	88				
230 > to <=240	101				
240 > to <=250	154				
250 > to <=260	114				
260 > to <=270	68				
270 > to <=280	12				
280 > to <=290	22				
290 > to <=300	17				
300 > to <=310	16				
310 > to <=320	6				
320 > to <=330	7				
330 > to <=340	6				
340 > to <=350	7				
350 > to <=360	4				

## **Attachment #5**

### **Part III - Information for Fisheries and Oceans Canada (DFO)**

#### **Section D: Management Plans**

	D2: Containment Array Management Plan
--	---------------------------------------

A Containment Array Management Plan will be submitted after approval of the proposed application and anchoring of the site infrastructure has been completed as per licence requirements.



**Lim, Susan**

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**From:** Lim, Susan  
**Sent:** September-06-17 5:48 PM  
**To:** Taekema, Bernie John; Shaw, Kerra; Backe, Nicole  
**Cc:** Jim Johnson; John Mackie; McCorquodale, Brenda  
**Subject:** PRT - LF 1404379 - Licence Amendment MHC, Upper Retreat, Facility No. 739  
**Attachments:** PRT Review and Recommendations - MHC Upper Retreat.docx

Hi everyone,

Please find assigned to you in AQUIS, a Licence Amendment for Marine Harvest Canada, Upper Retreat, Facility No. 739.

Please complete and return the attached worksheet. You can find the application information at:  
X:\AMD Referral - PRT Information\PRT Applications - in process\FF - ATS 261820 - 739 - MHC - Upper Retreat

Jim and John: I have attached the worksheet for you to also complete and return to me prior to our next PRT meeting.

MHC would like to add the option of using two cage scenarios to the existing approved 2x5 circle pen array. The proposed cage array options would be a 2x6 array of 36m square pens and a 2x7 array of 30m square pens.

The addition of each of the cage option meets the conditions of Incidental Aquaculture Use in that the Intensive Use Area for either proposed option is less than that of the original 2x5 circle cage that has been previously approved.

Regards,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

## PRT Review and Recommendations

### APPLICATION:

- ☐ NEW – Crown Land - reply to FCBC  
☐ AMENDMENT – Crown Land (that includes tenure boundary change) – reply to FCBC  
☒ AMENDMENT – Crown Land (no change to tenure boundary) – do not reply to FCBC  
☐ NEW or AMENDMENT– non-Crown Land (Park, Federal Land, Harbour Port, etc.) - DFO only

Land File # 1404279 ATS Project # 261820

Name: Marine Harvest Canada

Location: Upper Retreat

Date Received at FCBC: August 30, 2017 Date email sent to PRT members: Sept. 6, 2017

AGENCY	PRT AGENCY REP	TRIGGER Y/N	AGENCY LEAD
DFO	BT, KS, NB	Choose an item.	
TC	JM	Choose an item.	
FLNRO	JJ	Choose an item.	

### INFO REQUIRED BY PRT

PART	SECTION	REQUIREMENT
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	

PRT Letter(s) Sent:

(Date)

(Date)

Client Response Received:

(Date)

(Date)

☐ Yes ☐ No Additional or amended documentation has been received by the PRT directly from the client. (If yes, attach to this PRT Review and Recommendations document.)

## NOT ACCEPTABLE TO PRT

**DUE TO OUTSTANDING SIGNIFICANT DEFICIENCIES or SHOWSTOPPER - Application to be returned by FCBC; applicant may submit new application if desired.**

PART	SECTION	REQUIREMENT
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	

**ADDITIONAL COMMENTS:**

### RECOMMENDATION TO FCBC:

☐

ACCEPT

☐

DO NOT ACCEPT

(Date)

**Lim, Susan**

---

**From:** Lim, Susan  
**Sent:** September-18-17 3:14 PM  
**To:** 'Diane Tetarenko'; 'Lesley Fettes'; 'John Mackie'; Taekema, Bernie John; Kosmider, Gabrielle; Backe, Nicole; 'Jim Johnson'  
**Subject:** Agenda - Tomorrow PRT Conference Call at 10 am  
**Attachments:** Proposed Sept 19 - PRT Updated Review.docx

Hi everyone,

See attached agenda for the PRT conference call tomorrow at 10 am.

Let me know if you are not able to attend or if you have any additional topics you would like to discuss.

Regards,

Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

---

**From:** Lim, Susan  
**Sent:** September-18-17 8:02 AM  
**To:** Diane Tetarenko; Lesley Fettes; John Mackie; Taekema, Bernie John; Kosmider, Gabrielle; Backe, Nicole; Jim Johnson  
**Subject:** Tomorrow PRT Conference Call at 10 am

Hi everyone,

Just to remind you that we have a conference call scheduled for tomorrow at 10 am. Hope everyone will be available.

Jim – I know you will not be available but would there be someone from FLNRO who will be able to update on your files.

Thanks,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

**PRT File Review  
19 September 2017  
10:00 pm**

Call in number: 1-877-413-4781 Code [REDACTED]

Attendees: Diane Tetarenko, Lesley Fettes, Jim Johnson, Nicole Backe, Bernie Taekema, Gabrielle Kosmider  
Secretariat: Susan Lim

**PRT File Review**

Company	ATS / Lands No	Site Ref / TC NPP NO	Application Status	Notes
UHA – Stagg Bay	249558	8333	DFO - FLNRO – TC –	Geoduck – Application will need to be split into 2 landfile numbers if we proceed DFO Pre-screening
UHA – WS Hernando Isl	249557	8373	DFO - FLNRO – TC – JM – require changes to the proposed works	Geoduck – DFO Pre-screening
UHA – NW Hernando Isl	249635	8355	DFO - FLNRO – TC –	Geoduck – DFO Pre-screening
Fan Seafood	249753	8393	DFO - FLNRO – TC –	Geoduck, South Savary Island DFO Pre-screening
Maplestar Seafood Ltd	254483	6712	DFO – FLNRO – TC –	Geoduck, DFO Pre-screening NanOOSE Bay CFIA - This site does not have sufficient biotoxin monitoring for geoduck clams
MHC – Larsen Island	259322	143	DFO – Accept FLNRO – TC –	Infrastructure amendment Marco working with MHC to clarify cage sizes. Still waiting to hear back from MHC. Reviewing to see if it can be classify as incidental aquaculture use. Melinda will work with Marco on this file regarding cage sizes.
T'Sou-ke Nation	258690	9129	DFO – Accept FLNRO – TC – Accept	Pacific Oysters, Possession Point, Sooke, BC SilverSpray has begun construction. – do not know extent of potential impact. Diane will investigate the Environmental Act.
Comox Shellfish Ltd	259797 / 0319716	763	DFO - Do NOT Accept FLNRO – TC –	Geoduck, Deep Bay, DFO Pre-screening Amendment – no proposed tenure boundaries. DFO do not accept 2nd application when 1 <sup>st</sup> has not been completed yet.
Penelakut Seafoods	253164	9149	DFO - FLNRO – TC – Accept	Booth Bay, Manila Clam, Pacific Oyster, Littleneck Clam Diane and Jim will review, DFO to hold off reviewing for now
[REDACTED]	260534	9171	DFO - FLNRO – TC –	Geoduck, Baynes Sound, DFO Pre-screening
Coastal Shellfish Corporation	253195	9209	DFO - FLNRO – TC – DO NOT ACCEPT	Japanese Scallops, Pike Island TC Requires more drawings.
Coastal Salmon Co.	247033	9229	DFO - FLNRO – TC –	Japanese Scallops, Naden Islet/Osborn Cove
Argosy Sea Farms Ltd	260669 / 1411185	1878	DFO - FLNRO – TC –	Geoduck, DFO Pre-screening Squirrel Cove – Tenure boundary change

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MHC - Shaw Point	261306/1406628	1136	DFO - N/A FLNRO - TC - Accept	Infrastructure – IAU Informed FCBC of DFO not having involvement with this file.
MHC – Upper Retreat	261820 / 1404379	739	DFO - Accept FLNRO – TC - Accept	Infrastructure - IAU
Klahoose Shellfish Inc. Baker Passage	261811	9249	DFO - FLNRO – TC -	Geoduck, Baker Passage North of Hernando Island

Accepted but waiting Official Referral - FLNRO working on statusing and engagement letter				
Marine Harvest – Doyle Isl	249915 1407325	1288	DFO - Accept FLNRO – Accept TC - Accept	FLNRO - Marco sent 2 weeks ago – waiting to hear from Port McNeil

Decision Pending / AIP	Type	Facility	Facility No	Landfile No	Status
Canadian King Research Inc.	SF NEW	S of Rebecca Spit (IGMF)	6833	1411182	Decision Pending
Pentlatch Seafoods Ltd.	SF NEW	Comox Bar (IGMF)	1975	1411212	Decision Pending

#### Topics to Discuss

Harmonization at PRT (ie. Waiting for PRT decision prior to sharing application with others). – will discuss at Harmonized Meeting in September.

Harmonization for decisions – ensuring all agencies work with each other to coordinate timing of decisions. – will discuss at Harmonize Meeting in September.

Diane – update on three files right now still with FCBC. (Smith Inlet, Moon Bay, Oyster Spat).

Angela Ranson update: DFO has no showstoppers. If BC rejects, it should be fine. Shelley Meadows is the reviewer on this file from DFO.

#### **DFO - Clock Paused – On Hold and Approved in Principle**

1403139/127 - Lorindale Holdings [REDACTED] – Clock Pause - Litigation – Under Review – June 1 litigation seems to be resolving itself but this is in the Comox area so FN issues to follow  
ATS156286/1261 1407063 - Odyssey Seafood - Harmonization and coordination of decision-making  
ATS 150100/535 0278745 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150101/1533 0278772 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150485/531 0278755 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150097/521 0278767 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150099/519 0278753 - [REDACTED] (Mac's) - Harmonization and coordination of decision-making  
ATS 155429/7614 1414372 - [REDACTED] - Harmonization and coordination of decision-making  
ATS 155430/7693 2409221 - [REDACTED] site 2 - Harmonization and coordination of decision-making

New Issue – Unlicensed facilities – DFO to review applications 1<sup>st</sup> – would like to renew as they would have originally been licensed for, and then accept an amendment application. This would have to be looked at 1<sup>st</sup> on a case by case basis.

**Lim, Susan**

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**From:** Lim, Susan  
**Sent:** September-19-17 3:08 PM  
**To:** Diane Tetarenko  
**Subject:** Marine Harvest Canada - Upper Retreat - 261820 - 1404379

Hi Diane – I just spoke to Bernie and he informed me that we should not remove the above application from PRT yet. We still need FLNRO to confirm that it is IAU.

Regards,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)



**Lim, Susan**

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**From:** West Coast Land Referrals FLNR:EX <WestCoast.LandReferrals@gov.bc.ca>  
**Sent:** September-22-17 11:40 AM  
**To:** Taekema, Bernie John; Kosmider, Gabrielle; John Mackie; Johnson, Jim FLNR:EX; Backe, Nicole; Prichard, Nichole D FLNR:EX; AQ Referral / AQ Renvoi (DFO/MPO); Lim, Susan  
**Cc:** Peemoeller, Marco FLNR:EX  
**Subject:** File 1403104 - Incidental Aquaculture Use  
**Attachments:** 2017-09-21 App IAU - 1403104.pdf

We are forwarding this application from Marine Harvest – Port Elizabeth for Incidental Use processing. We have imputed this amendment into ATS File 262758.



**Dianne Caswell, Client Service Assistant**

**FrontCounter BC**

Ministry of Forests, Lands, Natural Resource Operations and Rural Development

2080 Labieux Road, Nanaimo BC V9T 6J9

Tel: 250-751-7220 | Fax: 250-751-7224

[FrontCounter BC Website](#) | Toll-Free Contact Centre: 1-877-855-3222

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# ***Port Elizabeth*** LF#1403104

## **Pacific Marine Finfish Aquaculture Amendment Application**

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**Submitted to:**

**Front Counter BC**

**2080a Labieux Road**

**Nanaimo, BC**

**V9T 6J9**

**Submitted by:**

**Marine Harvest Canada**

**Suite #124-1334 Island Highway**

**Campbell River, BC**

**V9W 8C9**

***September 21, 2017***

MARINE HARVEST ASA



FrontCounter BC  
2080a Labieux Road,  
Nanaimo, B.C.  
V9T 6J9

September 21, 2017.

To whom it may concern,

**RE: REQUEST FOR SITE AMENDMENT APPROVAL AT PORT ELIZABETH LF#1403104**

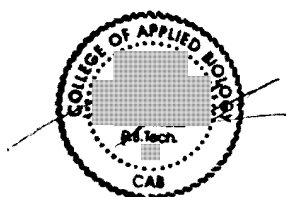
Marine Harvest Canada Inc. (MHC) is seeking to amend the infrastructure at our Port Elizabeth finfish aquaculture site. MHC would like to add the option of using two cage scenarios to the existing approved 2x5 circle pen array and 2x6 30m square pen array. The proposed cage array options would add the option of using a 2x6 array of 36m square pens and a 2x7 array of 30m square pens.

The addition of each of the cage option meets the conditions of Incidental Aquaculture Use in that the Intensive Use Area for either proposed option is less than that of the original 2x5 circle cage array that has been previously approved.

DEPOMOD predictions for the proposed 2x6 36m cage array (the largest of the two proposed arrays) represent an increase of 1.6% in the overall 5g carbon footprint from the previously approved 2x5 circle cage array.

Please accept the enclosed information as our application for amendment to the Port Elizabeth farm site.

Sincerely,



Marine Harvest Canada  
Campbell River, BC  
Tel: (250) 850-FARM (3276) ext [REDACTED]  
Cell: [REDACTED]  
Fax: (250) 850-3275  
[www.marineharvestcanada.com](http://www.marineharvestcanada.com)

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<b>PACIFIC MARINE FINFISH AQUACULTURE AMENDMENT APPLICATION</b>				
<b>LIST OF ATTACHMENTS</b>				<b>Attachment</b>
<b>PART I – GENERAL INFORMATION</b>				
<b>Section E: Maps, Diagrams, and Additional Required Documents</b>				
	1.	General Location Map		1
	2.	Detailed Location Map		1
	4.	Top View Operational Diagram (2x5 120m circle cages)		1
	5.	Side View Operational Diagrams (2x5 120m circle cages)		1
	4.	Top View Operational Diagram (2x6 36m square cages)		1
	5.	Side View Operational Diagrams (2x6 36m square cages)		1
	4.	Top View Operational Diagram (2x7 30m square cages)		1
	5.	Side View Operational Diagrams (2x7 30m square cages)		1
	7.	Intensive Use Area of Site		2
<b>PART III – INFORMATION FOR FISHERIES AND OCEANS CANADA</b>				
<b>Section C: Wild Fish, Fish Habitat and Siting Considerations</b>				
	C1: Modeling			
	1.1	Diagram of Prediction at Maximum Feed Rate (2x5 120m circle cages)		3
	1.2	Diagram of Prediction at Average Feed Rate (2x5 120m circle cages)		3
	1.1	Diagram of Prediction at Maximum Feed Rate (2x6 30m square cages)		3
	1.2	Diagram of Prediction at Average Feed Rate (2x6 30m square cages)		3
	1.1	Diagram of Prediction at Maximum Feed Rate (2x7 30m square cages)		3
	1.2	Diagram of Prediction at Average Feed Rate (2x7 30m square cages)		3
	1.1	Diagram of Prediction at Maximum Feed Rate (2x6 36m square cages)		3
	1.2	Diagram of Prediction at Average Feed Rate (2x6 36m square cages)		3
	1.3	Summary Tables and Results		3
	1.4	Current Data		4
<b>Section D: Management Plans</b>				
	D2: Containment Array Management Plan			5



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FOR INTERNAL USE	
File Number:	Project Number:
Disposition Number:	Client Number:

## PACIFIC MARINE FINFISH AQUACULTURE AMENDMENT

### APPLICATION

MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS  
FISHERIES AND OCEANS CANADA  
TRANSPORT CANADA

Prior to completing this application refer to the approved **Federal Aquaculture Licence and Provincial Site Management plans** for details on currently approved activities at the site. If you require a copy, please contact FLNRO at [WestCoast.LandReferrals@gov.bc.ca](mailto:WestCoast.LandReferrals@gov.bc.ca)

## PART I – GENERAL INFORMATION

**?** Any time you see this symbol, hold mouse pointer over top and additional information will appear.

For each question, select only one check box or circle unless otherwise directed.

### PART I - SECTION A1: AMENDMENT SUMMARY

Provide a general overview of the proposed amendment:



Marine Harvest Canada Inc. (MHC) is seeking to amend the infrastructure at our Port Elizabeth finfish aquaculture site. MHC would like to add the option of using two cage scenarios to the existing approved 2x5 circle pen array and 2x6 30m square pen array. The proposed cage array options would add the option of using a 2x6 array of 36m square pens and a 2x7 array of 30m square pens.

The addition of each of the cage option meets the conditions of Incidental Aquaculture Use in that the Intensive Use Area for either proposed option is less than that of the original 2x5 circle cage array that has been previously approved.

DEPOMOD predictions for the proposed 2x6 36m cage array (the largest of the two proposed arrays) represent an increase of 1.6% in the overall 5g carbon footprint from the previously approved 2x5 circle cage array.



Additional Pages or Supporting Material Attached:

☐ Yes

☒ No



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**PART I – SECTION A2: AMENDMENT TYPE (CHECK ALL THAT APPLY)**

<input type="checkbox"/> <b>Tenure Area Change</b>	
<input type="checkbox"/> Expansion  <input type="checkbox"/> Reduction	Complete the following: PART I PART II PART III: Section C PART IV PART V
<input checked="" type="checkbox"/> <b>Infrastructure</b>	
<input checked="" type="checkbox"/> <u>Addition of Infrastructure</u>  <input checked="" type="checkbox"/> Change meets conditions of "Incidental Aquaculture Use" (IAU)	Complete the following: PART I PART II: complete only if does not meet IAU PART III: Sections B (if applicable), C & D PART IV PART V
<input type="checkbox"/> Removal	Complete the following: PART I PART III PART V
<input type="checkbox"/> <b>Species and/or Production</b>	
<input type="checkbox"/> Addition of Species  <input type="checkbox"/> Change in Production  <input type="checkbox"/> Removal	Complete the following: PART I: Sections A, B & C PART III : Sections A, C & D PART V



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**PART I - SECTION B1: FEDERAL APPROVAL APPLICANT INFORMATION**



☒ CHECK THIS BOX IF SAME APPLICANT INFORMATION WILL BE USED FOR PROVINCIAL APPROVAL

<b>1. Applicant Type (complete only one type):</b>		
<input checked="" type="checkbox"/> Registered Business	Registered Business Name: Marine Harvest Canada	
	BC Inc. #, BC Registration # or BC Society #:	
<input type="checkbox"/> Individual(s)		
First:	Middle:	Last:
<b>2. Applicant Mailing Address:</b>		
Suite 124-1334 Island Highway Campbell River, B.C. V9W 8C9 Canada		Telephone: (250) 850-3276
		Cell: [REDACTED]
		Fax: (250) 850-3275
		Email: [REDACTED]
<b>3. Physical Business Address:</b>		
<input checked="" type="checkbox"/> Same as above		
<b>4. Primary Contact Mailing Address:</b>		
		<input checked="" type="checkbox"/> Same as above
		Name: [REDACTED]
		Telephone: (250) 850-3276
		Cell: [REDACTED]
		Fax: (250) 850-3275
		Email: [REDACTED]
<b>5. Agent/Representative Mailing Address:</b>		
Letter of Authorization Enclosed: <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A		
Name:		
Telephone:		
Cell:		
Fax:		
Email:		



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**PART I – SECTION B2: PROVINCIAL APPROVAL APPLICANT INFORMATION**

(COMPLETE SECTION B2 ONLY IF APPLICANT INFORMATION IS DIFFERENT THAN SECTION

<b>1. Applicant Type (complete only one type):</b>			
<input type="checkbox"/> Registered Business	Registered Business Name:		
	Business Number:		
<input type="checkbox"/> Individual(s)			
First:	Middle:	Last:	
<b>2. Applicant Mailing Address:</b>		Telephone:	
		Cell:	
		Fax:	
		Email:	
<b>3. Physical Business Address:</b>			
<input type="checkbox"/> Same as above			
<b>4. Primary Contact Mailing Address:</b>		<input type="checkbox"/> Same as above	
		Name:	
		Telephone:	
		Cell:	
		Fax:	
		Email:	
<b>5. Agent/Representative Mailing Address:</b>		Letter of Authorization Enclosed: <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	
		Name:	
		Telephone:	
		Cell:	
		Fax:	
		Email:	





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## PART I – SECTION C: SITE GENERAL INFORMATION

1. DFO Facility Reference Number: 141	
2. Land File Number: 1403104	
3. Navigation Protection Program Number: 8220-T-625	
4. Site Common Name: Port Elizabeth	
5. Pacific Fishery Management Area (PFMA): 12	Sub Area: 26

## PART I - SECTION D: LICENSED AREA CHANGE



1. Land Ownership and/or Tenure Type:			
<input checked="" type="checkbox"/> Provincial Crown Land (if Crown land: <input type="radio"/> Lease <input checked="" type="radio"/> Licence of Occupation <input type="radio"/> Investigative Use Licence)			
<input type="checkbox"/> Federal Land			
<input type="checkbox"/> Private Land			
<input type="checkbox"/> Harbour Authority			
<input type="checkbox"/> First Nation Reserve			
<input type="checkbox"/> Other (describe):			
2. GPS coordinates for the center of the application area / tenure (Report in Degree Decimal Minutes):		Latitude (DD DD.ddddd): 50 40.287	
		Longitude (DD DD.ddddd): 126 28.430	
3. Estimated Application Area	CURRENTLY LICENSED (hectares)	PROPOSED CHANGE (hectares) <input type="checkbox"/> Add <input type="checkbox"/> Remove	PROPOSED CUMULATIVE TOTAL (hectares)
Intensive Use Area of Site	10		25
Extensive Use Area of Site	15		15
Estimated Total Area of Site	25		25



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## PART I - SECTION E: MAPS, DIAGRAMS AND ADDITIONAL REQUIRED DOCUMENTS

Check each box to confirm attached	Attach the following maps, diagrams and documents in Adobe format (.pdf). They must be submitted with a title, to scale and be consistent with the other information in this application. Please refer to the Mapping Descriptions and Sample Mapping located in the Guide to Pacific Marine Finfish Aquaculture. All maps should be provided using <b>CHS Marine Charts</b> unless specified otherwise.
<input checked="" type="checkbox"/>	1. <b>General Location Map:</b> A 1:50,000 to 1:100,000 indicating the general location of area under application, noting the location of significant geographic features, such as a lake, mountain, road, community, etc.
<input checked="" type="checkbox"/>	2. <b>Detailed Location Map:</b> A map with a scale between 1:20,000 and 1:40,000, showing the detailed location of the area under application.
<input type="checkbox"/>	3. <b>Application Area Map (submit one of the following):</b> (a) <u>Shape file:</u> Attach a shapefile or ".kmz" file, geo-referenced to BC Albers projection (NAD 83), including a reference map with a Point of Commencement (POC) ; <b>OR</b> (b) <u>Metes &amp; Bounds:</u> A <b>topographic map</b> showing a UTM/latitude and longitude of POC and a corresponding text description on a separate piece of paper that describes the metes & bounds of the proposed shape.
<input checked="" type="checkbox"/>	4. <b>Top View Operational Diagram(s):</b> (a) A 1:5000 scale site plan showing proposed change(s) to existing tenure boundaries and: (i) <u>new containment array.</u> If several arrays are proposed, provide one site plan per array; <b>AND/OR</b> (ii) any proposed changes to <u>existing containment array(s).</u> If changes are proposed to several containment arrays, provide one site plan per array; <b>AND</b> (b) A single 1:5000 scale site plan showing currently licenced containment array(s) and all proposed additions and/or changes as outlined in 4(a).
<input checked="" type="checkbox"/>	5. <b>Side View Operational Diagram:</b> A map(s) showing a cross section diagram of the containment array(s) that itemize all structures above the surface and include all underwater structures and the high and low water mark.
<input type="checkbox"/>	6. <b>Habitat Map:</b> A 1:5000 map showing boundaries of the application area and including habitat characteristics from the habitat assessments.
<input checked="" type="checkbox"/>	7. <b>Intensive Use Area of site (Hectares):</b> Attach a worksheet showing the total Intensive Use Area (IUA) calculation for the infrastructure configuration which occupies the largest IUA.

## PART I - SECTION F: FIRST NATIONS CONSIDERATION

Canada and the Province of British Columbia are legally obligated to consult and, where appropriate, accommodate First Nations on decisions that could impact treaty rights or aboriginal rights and title ("Aboriginal Interests"). Federal and Provincial decision-makers are responsible for ensuring adequate and appropriate consultation and accommodations.

For more information please review the information available on the Ministry of Forests, Lands and Natural Resource Operations website: 'Consulting with First Nations'; specifically proponents are advised to review: "Guide to Involving Proponents When Consulting First Nations" (<http://www2.gov.bc.ca/gov/content/environment/natural-resource-stewardship/consulting-with-first-nations>).

Proponents are encouraged to engage with First Nations as early as possible in the planning stages to build relationships and for information sharing purposes. You may use the Province's Consultative Areas Database to identify which First Nations to engage: <http://geobc.gov.bc.ca>.

Is a summary of information sharing attached? ☐ Yes ☒ No



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## PART I - SECTION G: INFRASTRUCTURE INFORMATION SECTION

### G1 – CONTAINMENT ARRAY(S) ?

1. Proposed changes to Containment Array(s):			
DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input checked="" type="checkbox"/> Circle	<input checked="" type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input checked="" type="checkbox"/> Circle <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">?</span>
QUANTITY	10		10
CONFIGURATION	2x5		2x5
DIMENSIONS *	120m		120m
TOTAL AREA **	64,800		64,800

\*Dimensions (m) for each structure

\*\* Total area is calculated using the length and width of the outside edges, including walkways of a square cage array and the length and width of the outer circle anchoring grid for circle cages.

\*\*\* Proposed change (difference between currently licensed and proposed cumulative total)

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input checked="" type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input checked="" type="checkbox"/> Add <input type="checkbox"/> Remove <input checked="" type="checkbox"/> Square <input type="checkbox"/> Circle	<input checked="" type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY	12	2	14
CONFIGURATION	2x6	1x2	2x7
DIMENSIONS *	30m	30m	30m
TOTAL AREA **	32,004	4,032	36,036

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input checked="" type="checkbox"/> Add <input type="checkbox"/> Remove <input checked="" type="checkbox"/> Square <input type="checkbox"/> Circle	<input checked="" type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY		12	12
CONFIGURATION		2x6	2x6
DIMENSIONS *		36m	36m
TOTAL AREA **		40,020	40,020



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**PART I SECTION G1 – CONTAINMENT ARRAY(S) CONTINUED: ?**

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle ?
QUANTITY			
CONFIGURATION			
DIMENSIONS *			
TOTAL AREA **			

\*Dimensions (m) for each structure

\*\* Total area is calculated using the length and width of the outside edges, including walkways of a square cage array and the length and width of the outer circle anchoring grid for circle cages.

\*\*\* Proposed change (difference between currently licensed and proposed cumulative total)

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY			
CONFIGURATION			
DIMENSIONS *			
TOTAL AREA **			

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY			
CONFIGURATION			
DIMENSIONS *			
TOTAL AREA **			



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## PART I - SECTION G2: ANCILLARY AND NAVIGATIONAL STRUCTURES

2. Proposed Ancillary and Navigational Structures:				
For applications with more than one cage array proposed, please review ancillary section in the Guide to Marine Finfish Aquaculture Application.				
DESCRIPTION	PROPOSED CHANGE	QUANTITY	DIMENSIONS (m)	TOTAL AREA (m <sup>2</sup> )
e.g. Feed barge	<input type="checkbox"/> Add or <input checked="" type="checkbox"/> Remove	1	40m x 30 m	1450m <sup>2</sup>
Float house	<input type="checkbox"/> Add <input type="checkbox"/> Remove	1	12x18	216
Feed Shed	<input type="checkbox"/> Add <input type="checkbox"/> Remove	1	12x18	216
Transfer Pens	<input type="checkbox"/> Add <input type="checkbox"/> Remove	4	15x15	289
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Buoys	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Anchor Blocks	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Mooring lines	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Other:				



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## PART II – INFORMATION FOR THE BC MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS (FLNR)

The following information, along with Part I and Part V is required for the review of the Provincial Crown Land Tenure application to an existing tenure pursuant to the BC *Land Act*.

### PART II - SECTION A: SITING CONSIDERATIONS



Applicants must respond to each consideration and may be required to provide additional information in some situations

1. Does your proposal infringe on the riparian rights of an upland owner?		<input type="radio"/> Yes <input checked="" type="radio"/> No
Letter of upland owner consent enclosed:		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
2. Is the intended use consistent with approved local government bylaws for land use planning and zoning?		<input checked="" type="radio"/> Yes <input type="radio"/> No
Provide the name of the local government(s) for the area under application: Mount Waddington Regional District		
Describe any applicable bylaws or zoning for the proposed area:		
If <u>No</u> , have you contacted the local government?		<input type="radio"/> Yes <input checked="" type="radio"/> No
Summary of interactions with local government attached:		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
3. Is the site situated greater than 1 km in all directions from a First Nations reserve?		<input checked="" type="radio"/> Yes <input type="radio"/> No
If "No", written support from the First Nation(s) is attached:		<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
4. Is the site situated greater than 1 km in a direct line of sight from existing federal parks, regional district parks, provincial parks, marine protected areas, and conservancies (or approved proposals for these)?		<input checked="" type="radio"/> Yes <input type="radio"/> No
If <u>No</u> , have you contacted the relevant agency?		<input type="radio"/> Yes <input type="radio"/> No
Summary of correspondence with governing agency enclosed:		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
5. Is the site situated greater than 1 km from ecological reserves smaller than 1000 ha or approved proposals for ecological reserves smaller than 1000 ha?		<input checked="" type="radio"/> Yes <input type="radio"/> No
Summary of communication with BC Parks is attached:		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A



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## PART II - SECTION A: SITING CONSIDERATIONS CONTINUED:

6. Is the site situated greater than 1 km from the mouth of an anadromous salmonid-bearing stream determined as significant by the Province?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Supporting documents is attached: <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A	
Provide the title of the supporting document(s) attached: ?	
7. Is the intended use consistent with a local area plan or Coastal Zone Management Plan? ?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
Identify the relevant plan(s) and describe any applicable sections of those plans for the proposed area: 2015 North Vancouver Island Marine Plan	
Provide details of communications and relevant correspondence with your application.	

## PART II - SECTION B: ADDITIONAL CROWN LANDS INFORMATION

1. Are all applicants Canadian Citizens or Permanent Residents; or if a corporation, registered partnership, cooperative or non-profit society, is it registered in BC?	<input checked="" type="radio"/> Yes <input type="radio"/> No
2. Is/Are applicant(s) 19 years of age or older?	<input checked="" type="radio"/> Yes <input type="radio"/> No
3. For applications made by more than one individual:	<input checked="" type="radio"/> N/A <input type="radio"/> Joint Tenants <u>OR</u> <input type="radio"/> Tenants in Common

## PART II - SECTION C: WATER USE ?

1. Will fresh water be diverted or used at the site for the operation of the facility, living accommodations or other purposes?	<input checked="" type="radio"/> Yes (Complete Question 2 & 3)	
	<input type="radio"/> No planned water usage (continue to Part III)	
2. Fresh water source: (check all that apply)	<input type="checkbox"/> Ground Water ?	<input type="checkbox"/> Surface Water
	Water Source Name: rainwater collection	
3. Do you have any existing water licences and/or have you submitted any water licence applications?	<input type="radio"/> Yes	Application Tracking Number:
		Licence Number:
	<input checked="" type="radio"/> No	





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## PART III – INFORMATION FOR FISHERIES AND OCEANS CANADA (DFO)

The following information along with Part I and Part V is required for the review of the federal Aquaculture Licence application pursuant to the federal *Fisheries Act*, *Pacific Aquaculture Regulations*.

### PART III - SECTION A: CULTURED SPECIES AND PRODUCTION

Check all species that you intend to culture and estimate the Combined Peak Biomass in metric tonnes (t).				
SPECIES COMMON NAME	CURRENTLY LICENSED	ADD	REMOVE	
Atlantic salmon	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Chinook salmon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Coho salmon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sablefish	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rainbow trout	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
*Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Combined Peak Biomass (t): ➡				PROPOSED CUMULATIVE TOTAL 2,860.00

\*If "Other" species are requested, see guidebook for more details.

### PART III - SECTION B: DOMESTIC WASTE MANAGEMENT

COMPLETE THIS SECTION IF APPLYING FOR A NEW SITE OR MODIFYING LIVING ACCOMMODATION TO AN EXISTING SITE	
<p>1. Is there a floating living accommodation within the marine waters of the application area?</p> <p>Provide description of domestic sewage treatment works:</p> <p>grey water retention greater than 24 hours</p>	<p><input checked="" type="radio"/> Yes</p> <p><input type="radio"/> No</p>
<p>2. Location of the sewage discharge point (include depth of outfall line):</p> <p>greater than 15m</p>	





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### PART III - SECTION C: WILD FISH, FISH HABITAT AND SITING CONSIDERATIONS ?

**NOTE:** Qualified professionals must conduct the habitat assessment and sediment sampling survey(s) and reporting.

IS ATTACHED	NOT REQUIRED	DOCUMENT (Check each box to confirm that documents are attached)	
<b>C1 MODELING &amp; CURRENTS</b>			
<input checked="" type="checkbox"/>		1.1 Diagram(s) of prediction(s) at maximum feed rate (1g, 5g and 10g contour)	
<input checked="" type="checkbox"/>		1.2 Diagram(s) of prediction(s) at average feed rate (1g, 5g and 10g contour)	
<input checked="" type="checkbox"/>		1.3 Summary tables and results	
<input checked="" type="checkbox"/>		1.4 Current Data	
<b>C2 FISH AND FISH HABITAT SURVEYS</b>			
<input type="checkbox"/>		2.1 Nearshore Survey	
<input type="checkbox"/>		2.2 Deepwater Survey	
<b>C3 SEDIMENT SAMPLING</b>			
<input type="checkbox"/>	<input type="checkbox"/>	* Check "NOT REQUIRED" if substrate cannot be sampled	
<b>C4 SENSITIVE AND CRITICAL HABITAT SURVEY(S) OR DATA</b>			
IS ATTACHED	TYPE	IS ATTACHED	TYPE
<input type="checkbox"/>	Stream survey	<input type="checkbox"/>	Glass sponge complexes
<input type="checkbox"/>	Historic herring spawn	<input type="checkbox"/>	Shellfish beds
<input type="checkbox"/>	Marine Mammal usage area	<input type="checkbox"/>	Abalone
<input type="checkbox"/>	Eelgrass beds	<input type="checkbox"/>	Lingcod
<input type="checkbox"/>	Kelp beds	<input type="checkbox"/>	Rockfish rearing/nursery areas
<b>C5 REFERENCE STATION DATA</b>			
<input type="checkbox"/>		Video data and Sediment Sampling	

### PART III - SECTION D: MANAGEMENT PLANS

The following facility management plans must be attached to your application. Check each box to confirm is attached.

IS ATTACHED	PLAN
<input type="checkbox"/>	<b>D1 INVENTORY PLAN</b> - A 24 month Inventory Plan for all licensed species including biomass and age class.
<input type="checkbox"/>	<b>D2 CONTAINMENT ARRAY MANAGEMENT PLAN</b> - describes the structural operational components and location of compliance monitoring stations.
<input type="checkbox"/>	<b>D3 HEALTH MANAGEMENT PLAN (HMP)</b> - outlines the actions or procedures that operator must use at a facility to meet fish health requirements.
<input type="checkbox"/>	<b>D4 ESCAPE PREVENTION AND RESPONSE PLAN</b> - outlines the infrastructure and practices employed to prevent the escape of cultured fish into the marine environment.
<input type="checkbox"/>	<b>D5 MARINE MAMMAL INTERACTION MANAGEMENT PLAN</b> - describes measures to deter and minimize predator interactions.

**NOTE:** Upon approval, the CONTAINMENT ARRAY AND HEALTH MANAGEMENT PLANS will be incorporated into the Conditions of Licence.



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## PART IV – INFORMATION FOR TRANSPORT CANADA (TC)

The following information, along with Part I and Part V is required for the review of the federal *Navigation Protection Act* (NPA) approval.

### PART IV - SECTION A: SITING CONSIDERATIONS

Applicants may be required to provide additional information in some situations.

### PART IV - SECTION B: ADDITIONAL TRANSPORT CANADA INFORMATION

1. Waterway Name: Port Elizabeth	
Width (m): 865.00	Depth Range (m): 57.00
2. Nearest Community: Health Bay	
3. Is this Work:	<input type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> Modification of Existing Work
4. To help with the review process, please include the following if available. Check each box to confirm is attached.	
<input type="checkbox"/> Photographs at the site of the proposed/existing work and surrounding area	
<input type="checkbox"/> Environmental Assessment documents (if any)	



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## PART V – INFORMATION FOR ALL AGENCIES

Incomplete applications will be returned to applicant.

### PROVINCIAL FEES:

Application fees for Crown land tenures are due upon submission. Fees for new applications and amendments to existing tenures are established in the Crown Land Fee regulation – see link

[http://www.bclaws.ca/civix/document/id/lc/statreg/177\\_2003](http://www.bclaws.ca/civix/document/id/lc/statreg/177_2003). Note that the fee structure does not include that taxes that apply.

### Forms of payment:

- Cheques or Money orders must be in Canadian Funds to **Minister of Finance**.  
(FrontCounter BC will not accept personal cheques drawn on US banks, regardless of what currency.)
- Debit Card (in-person only).
- Visa, AMEX and MasterCard payments are accepted in-person or over the telephone. To locate a FrontCounter BC office, visit the website at <http://www.frontcounterbc.gov.bc.ca/contact/> or call the toll free number 1-877-855-3222.

**FEDERAL FEES:** <http://www.pac.dfo-mpo.gc.ca/aquaculture/licence-permis/index-eng.html>. Federal fees will be invoiced prior to licensing and are only payable online using the National Online Licensing System.

**DISCLOSURE:** The information you provide may be subject to the following legislation: British Columbia *Freedom of Information and Protection of Privacy Act* (FOIPPA); the federal *Access to Information Act*; and the federal *Privacy Act*. Personal information is collected by FrontCounter BC under the legal authority of section 26 (c) and 27 (1) of the *Freedom of Information and Protection of Privacy Act* (the Act). The collection, use, and disclosure of personal information is subject to the provisions of the Act. The personal information collected by FrontCounter BC will be used to process your inquiry or application(s). It may also be shared when strictly necessary with partner agencies that are also subject to the provisions of the Act. The personal information supplied in the application package may be used for referrals or notifications as required. Personal information may be used by FrontCounter BC for survey purposes. For more information regarding the collection, use, and/or disclosure of your personal information by FrontCounter BC, please contact FrontCounter BC at 1-877-855-3222 or at: FrontCounter BC Program Director, FrontCounter BC, Provincial Operation, 441 Columbia Street, Kamloops, BC V2C 2T3 or the Director, Access to Information and Privacy Secretariat at the Department of Fisheries and Oceans Canada and Transport Canada. The Province of British Columbia, Fisheries and Oceans Canada, and Transport Canada do not consider the information submitted in this form to be confidential unless it is subject to the privacy protection of the *Freedom of Information and Protection of Privacy Act* or the *Access to Information Act*.

I understand that the information supplied will be used to review my applications under the *BC Land Act*, *BC Seafood Act*, federal *Fisheries Act* and the federal *Navigation Protection Act* and information will be shared amongst the other agencies, First Nations and/or with the public.

**IMPORTANT:** Federal regulations require that applications submitted on behalf of a company be signed by a company director. Please email [aquaculture.licensing@dfo-mpo.gc.ca](mailto:aquaculture.licensing@dfo-mpo.gc.ca) for direction regarding supporting documentation.\*

Signature(s) of applicant(s)  
or authorized representative

Printed name(s) of Applicant(s)  
or authorized representative\*

Date (yyyy/mm/dd)

2017/09/22

\*If signature is by an authorized representative please supply a letter granting authorization to act on behalf of the applicant.



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## Submit completed application, and additional supporting information (if applicable) to:

### BY EMAIL:

Email Subject line: **Proponent Name, Application Type**

Attachments: The application and attachments to be submitted as one "unprotected" PDF document. If not, name as following:

**Proponent\_Application Type\_1of2**

**Proponent\_Description of Supporting documents\_2of2**

Email to: [WestCoast.LandReferrals@gov.bc.ca](mailto:WestCoast.LandReferrals@gov.bc.ca)

Fees: Upon review of your application, you will be notified by FrontCounter BC of the applicable provincial application fee.

### IN PERSON:

Any FrontCounter BC office.

Visit <http://www.frontcounterbc.gov.bc.ca> for the location nearest you.

### BY MAIL:

FrontCounter BC, 142-2080 Labieux Road, Nanaimo, BC V9T 6J9

PLEASE RETAIN A COPY OF THIS APPLICATION FOR YOUR RECORDS

APPLICATIONS ARE NOT TRANSFERABLE

THE SUBMISSION OF THIS FORM DOES NOT IN ANY MANNER CONVEY ANY RIGHTS TO USE OR OCCUPY CROWN LAND AND/OR CONDUCT REQUESTED ACTIVITIES



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(DO NOT COMPLETE THIS PAGE IF FILLING IN APPLICATION ELECTRONICALLY)**

**Site Information:**

Site Common Name

Port Elizabeth

DFO Facility Reference Number	Land File Number	Intensive Use Area of Site (ha)	Extensive Use Area of Site (ha)	Total Area (ha)
141	1403104	25	15	25

**Proposed Cage Arrays:**

DESCRIPTION	CAGE ARRAY 1	CAGE ARRAY 2	CAGE ARRAY 3	CAGE ARRAY 4	CAGE ARRAY 5	CAGE ARRAY 6
QUANTITY	10	14	12			
CONFIGURATION	2x5	2x7	2x6			
DIMENSIONS *	120m	30m	36m			
TOTAL AREA**	64,800	36,036	40,020			

**Proposed Ancillary and Navigational Structures:**

DESCRIPTION	Float house	Feed Shed	Transfer Pens		
QUANTITY	1	1	4		
DIMENSIONS *	12x18	12x18	15x15		
TOTAL AREA**	216	216	289		

**NOTE:** Only first 5 rows of the Ancillary structures are listed here, remainder on page 9 of the application.

\*Dimensions (m OR m2) for each structure

\*\* Total Area including all walkways or area between circular cages

## **Attachment #1**

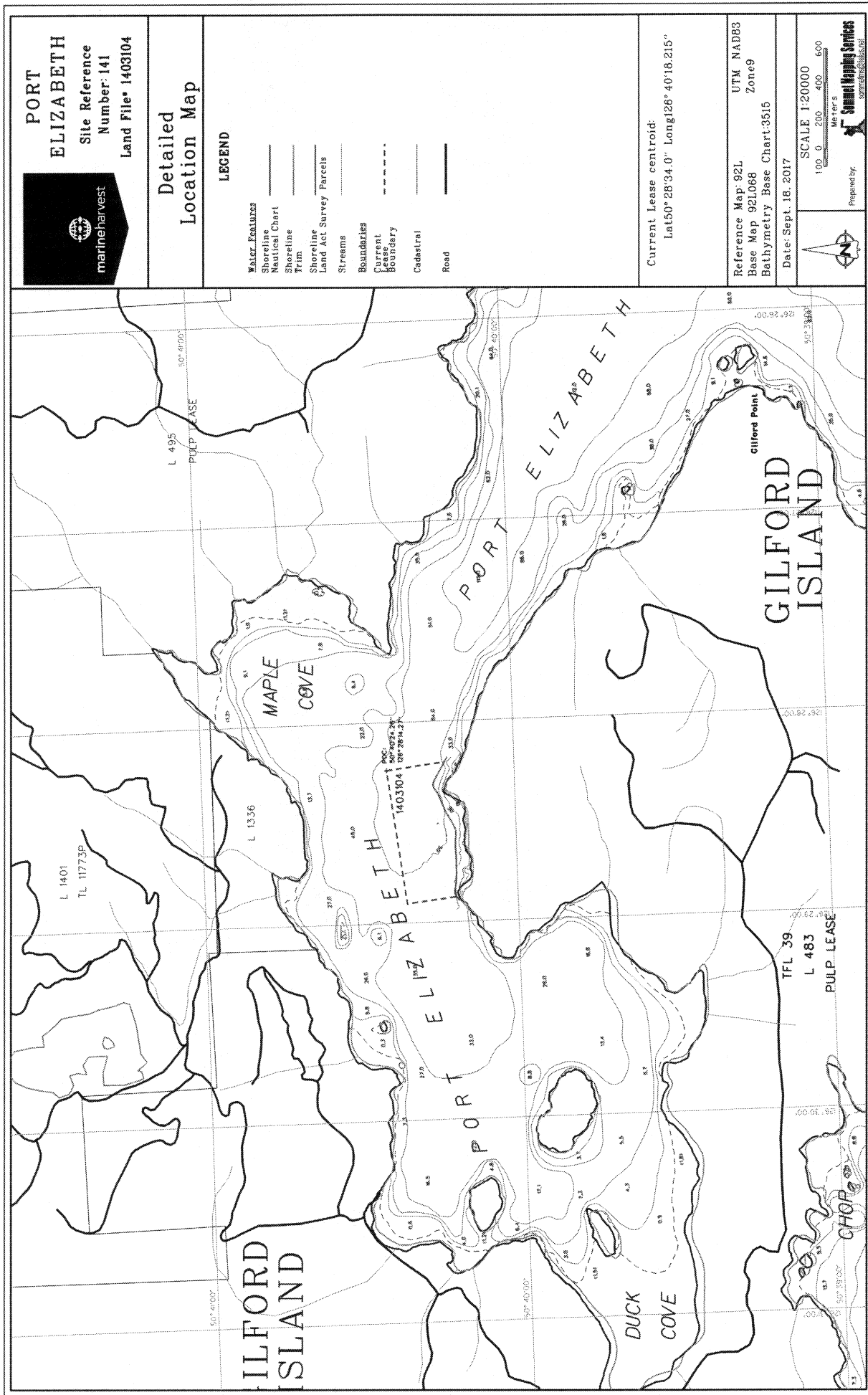
### **Part I - General Applicant Information**

#### **Section E: Maps, Diagrams, and Additional Required Documents**

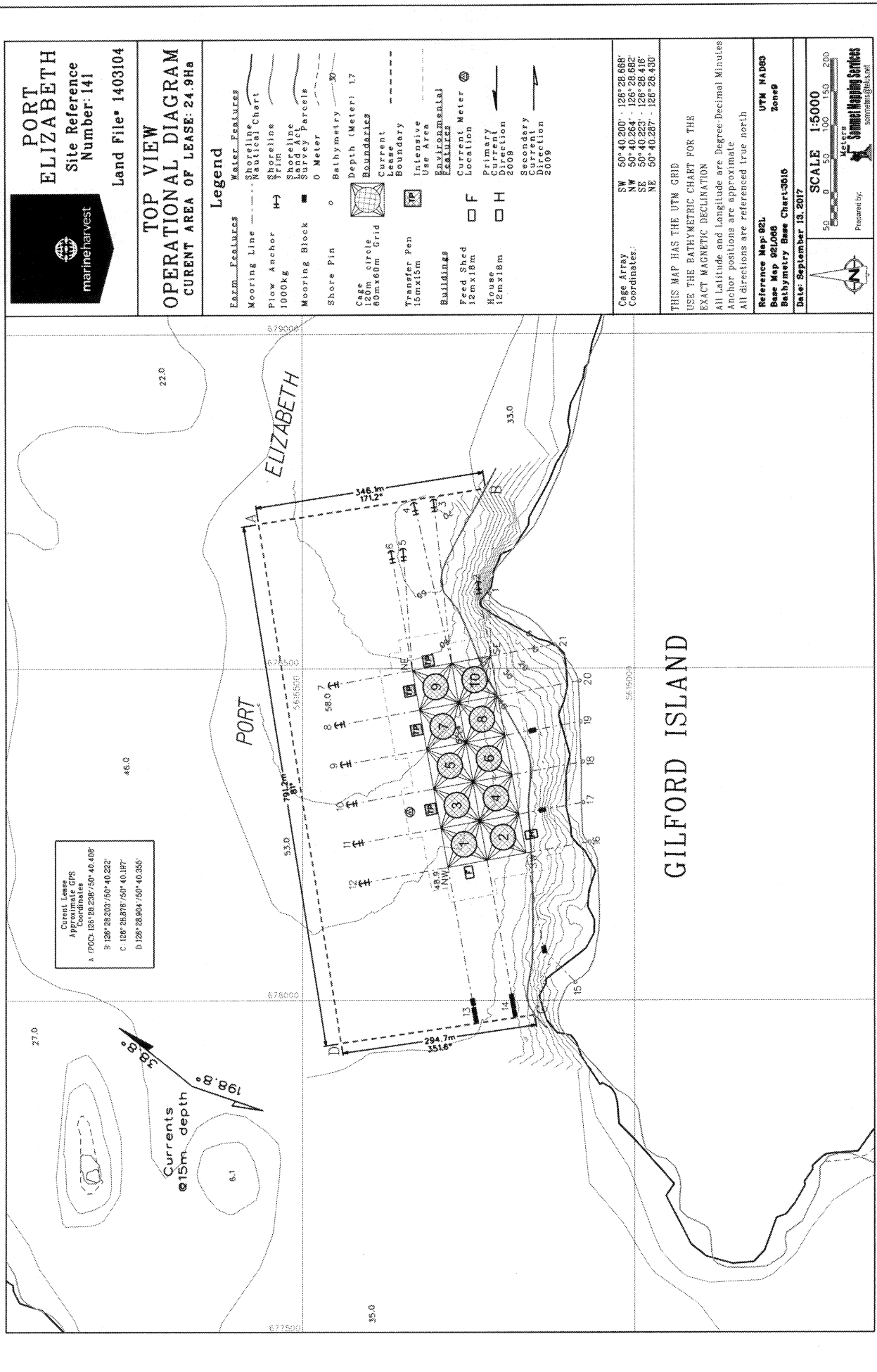
1.	General Location Map
2.	Detailed Location Map
4.	Top View Operational Diagram (2x5 120m circle cages)
5.	Side View Operational Diagrams (2x5 120m circle cages)
4.	Top View Operational Diagram (2x7 30m square cages)
5.	Side View Operational Diagrams (2x7 30m square cages)
4.	Top View Operational Diagram (2x6 36m square cages)
5.	Side View Operational Diagrams (2x6 36m square cages)











## PORT ELIZABETH

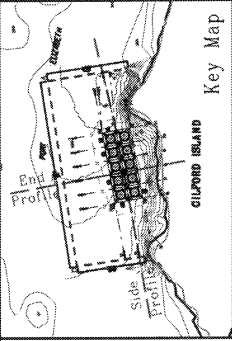
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Land File: 1403104

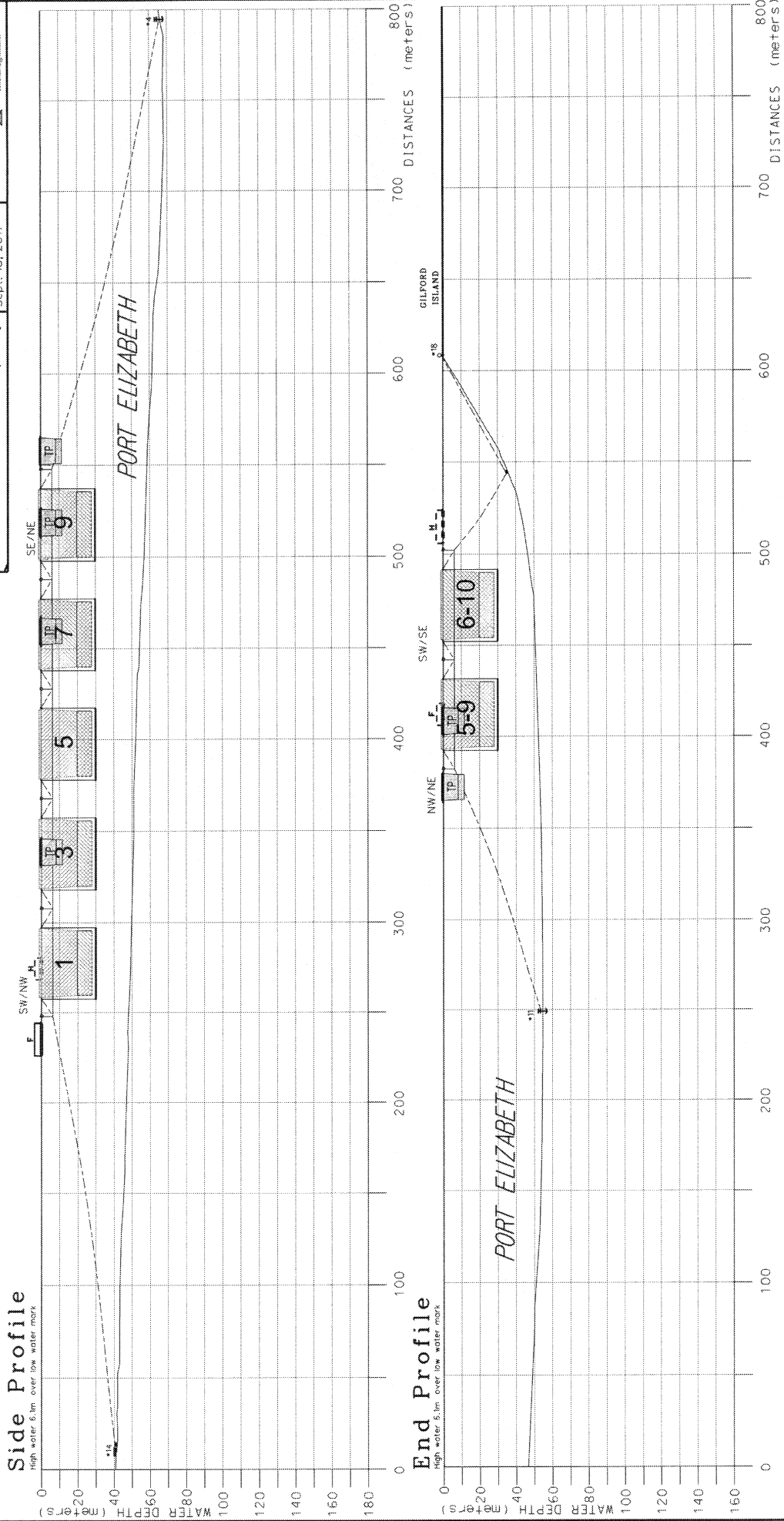
### SIDE & END PROFILES

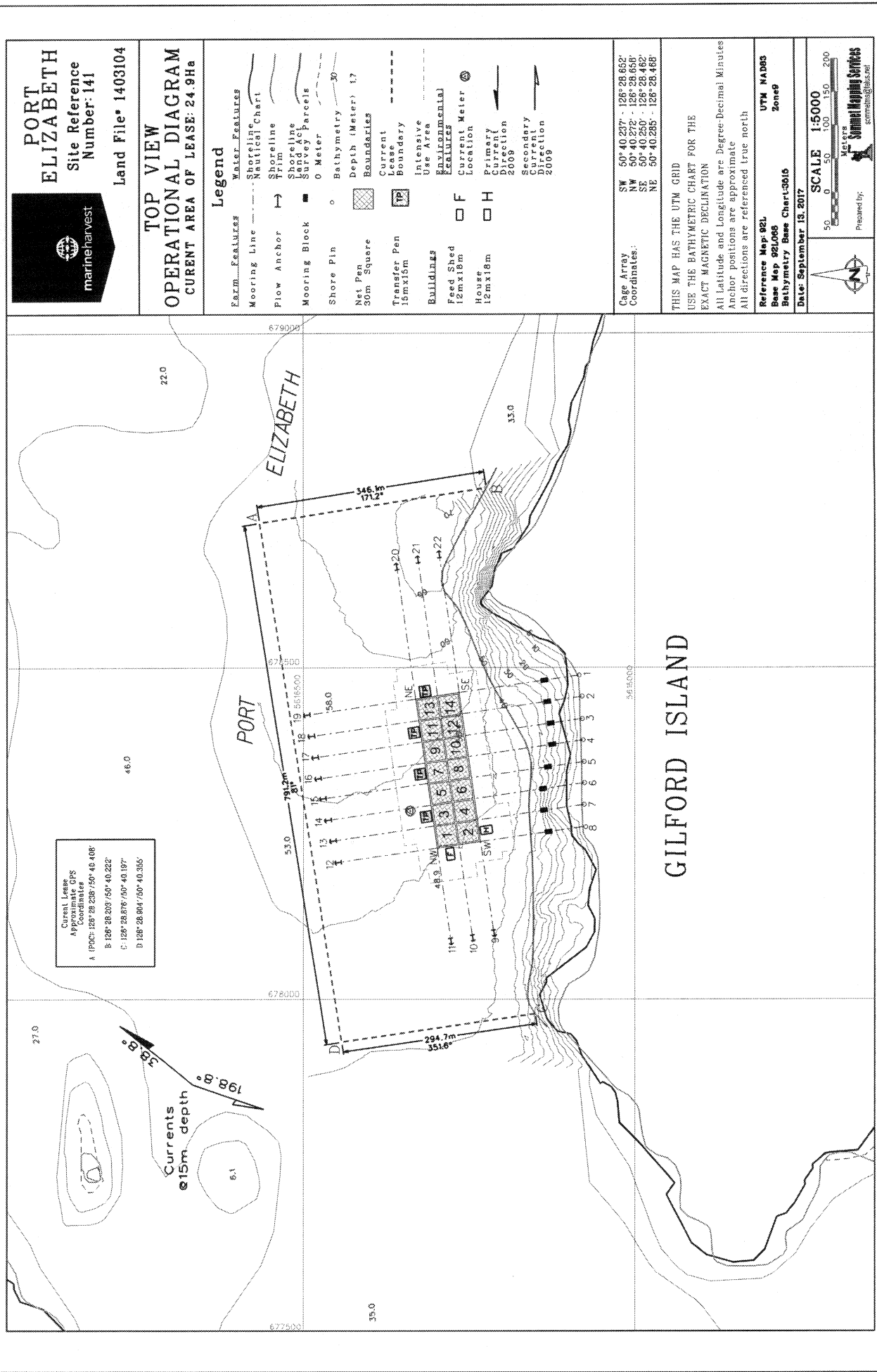
120m Square Cages  
60m Grid

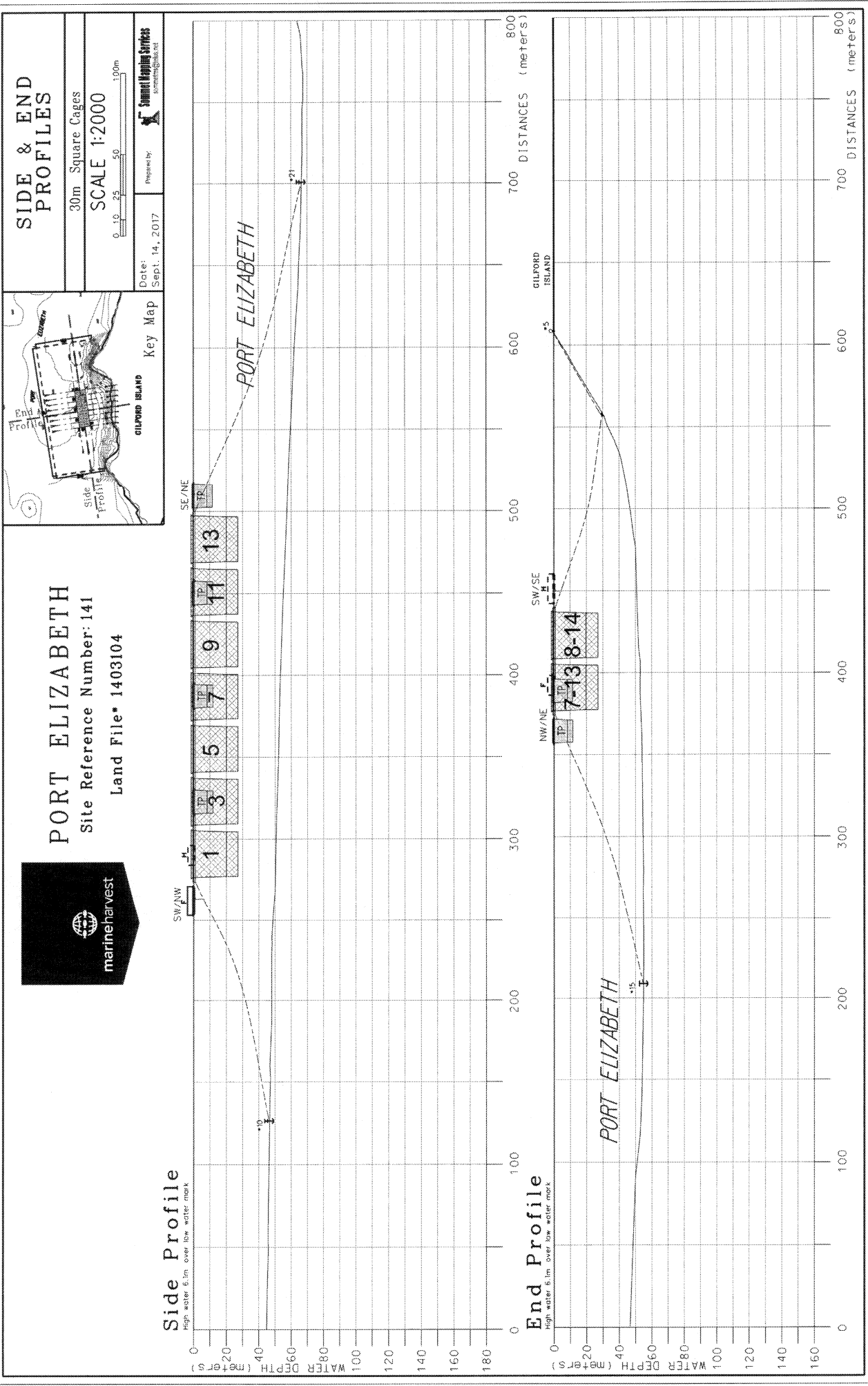
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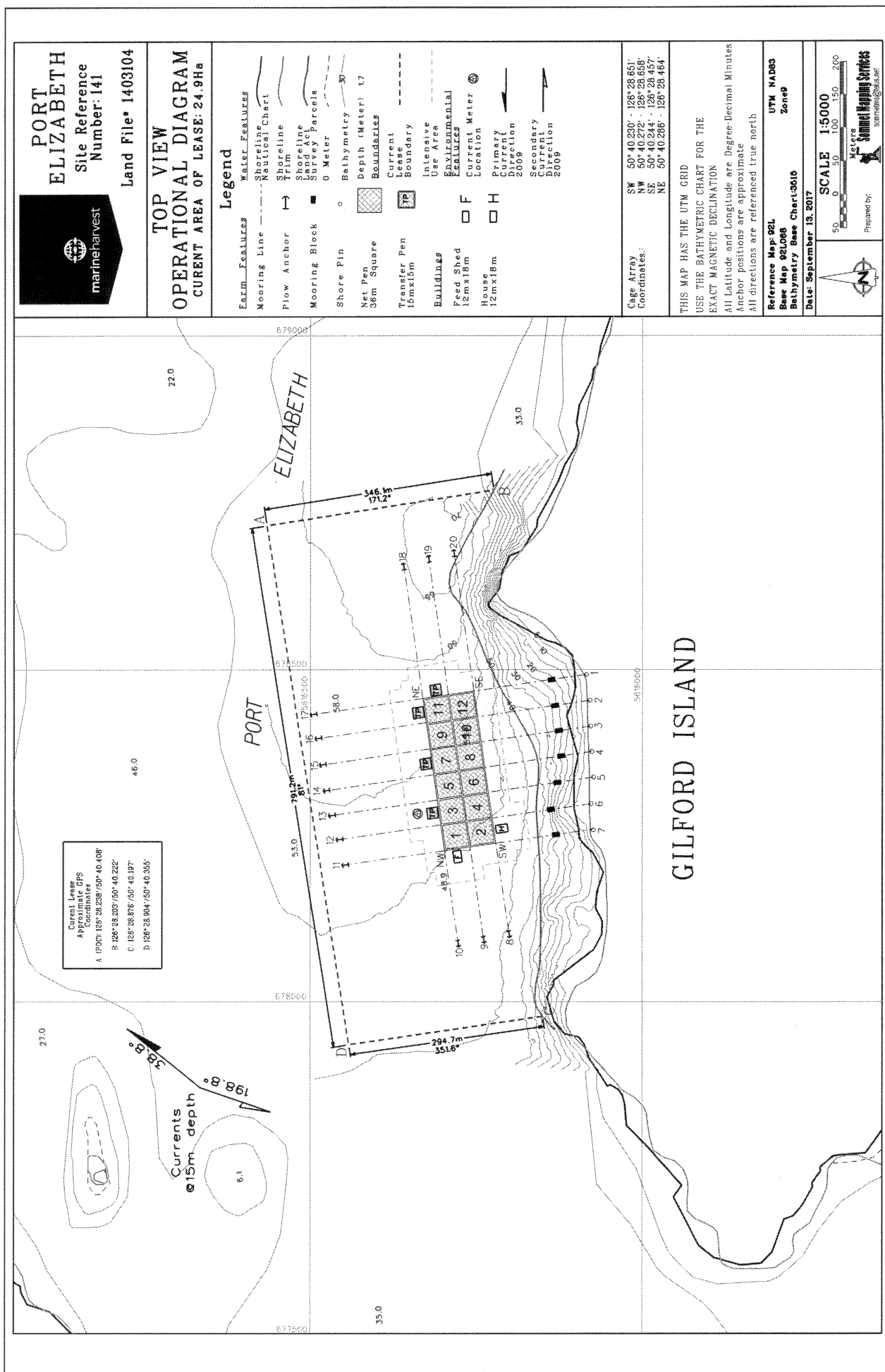
Date: Sept. 18, 2017  
Prepared by: Summit Mapping Services  
summitm@shaw.ca

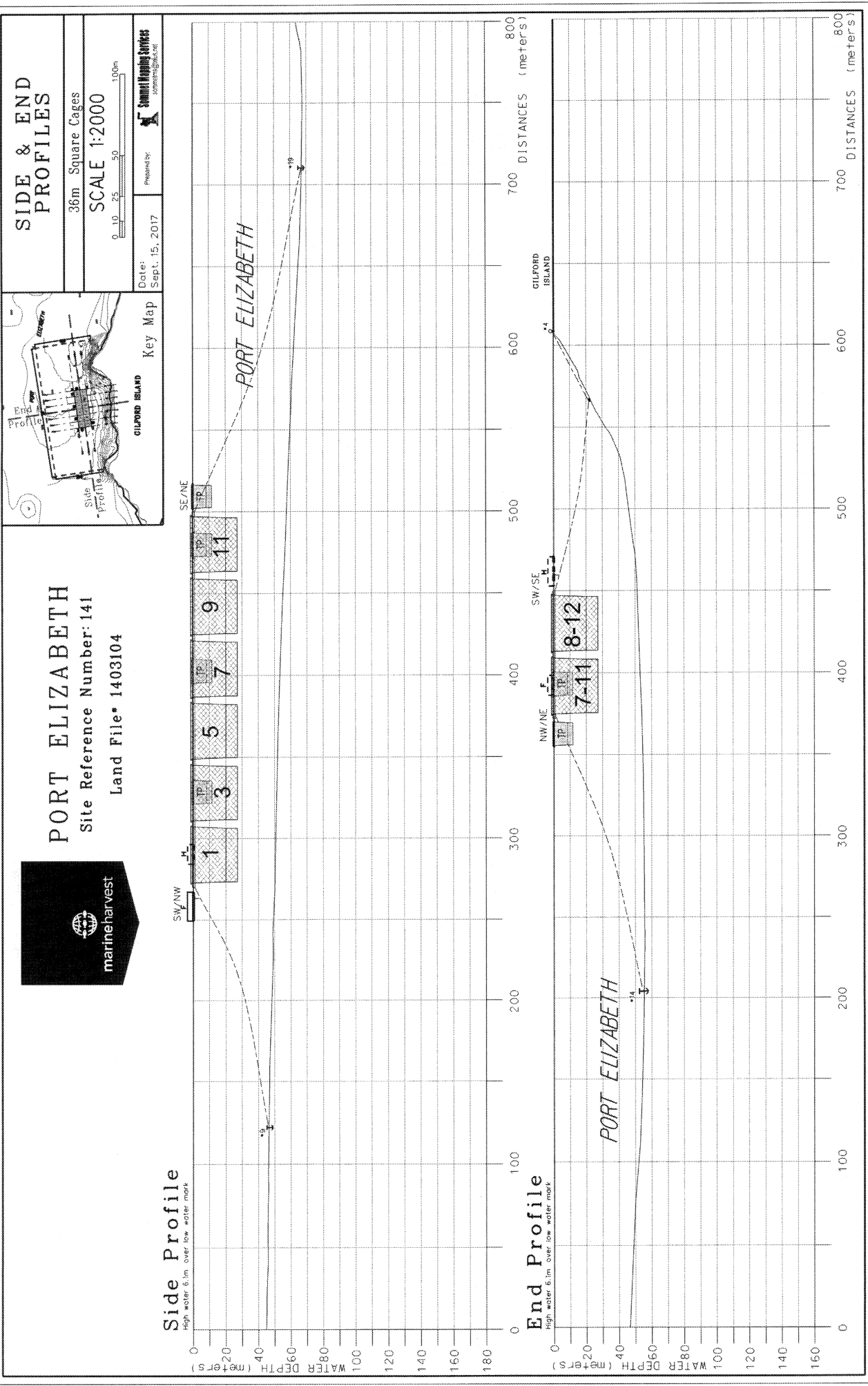












## **Attachment #2**

### **Part I - General Applicant Information**

#### **Section E: Maps, Diagrams, and Additional Required Documents**

7.	Intensive Use Area of Site
----	----------------------------

INTENSIVE USE AREA		
Site Name:	Port Elizabeth	Date: September 20, 2017

## Approved IUA

<b>Circle Cages</b>			
grid size (m):	60		
configuration:	2	rows of	3 cages
	width	length	m <sup>2</sup>
area at sea level	120	300	36000 m <sup>2</sup>
Intensive use area	180	360	64800 m <sup>2</sup>

<b>Float House</b>			
# of float houses:	1		
	width	length	m <sup>2</sup>
area at sea level	12	18	216
Intensive use area	72	78	5616
Total Intensive Use Area			5616 m <sup>2</sup>

<b>Feed Shed</b>			
# of feed sheds:	1		
	width	length	m <sup>2</sup>
area at sea level	12	18	216
Intensive use area	72	78	5616
Total Intensive Use Area			5616 m <sup>2</sup>

<b>Transfer Pens</b>			
# of transfer pens:	4		
	width	length	m <sup>2</sup>
area at sea level	17	17	289
Intensive use area	77	77	5929
Total Intensive Use Area			23716 m <sup>2</sup>

Circle Cages	64800
Float House	5616
Feed Shed	5616
Transfer Pens	23716
Total	99748 m <sup>2</sup>
	10.0 Hectares

## Proposed IUA

<b>Square Cages</b>			
cage size (m):	36		
configuration:	2	rows of	6 cages
	width	length	m <sup>2</sup>
area at sea level	78	230	17940 m <sup>2</sup>
Intensive use area	138	290	40020 m <sup>2</sup>
**assumes 2m between cages for walkways			

<b>Float House</b>			
# of float houses:	1		
	width	length	m <sup>2</sup>
area at sea level	12	18	216
Intensive use area	72	78	5616
Total Intensive Use Area			5616 m <sup>2</sup>

<b>Feed Shed</b>			
# of feed sheds:	1		
	width	length	m <sup>2</sup>
area at sea level	12	18	216
Intensive use area	72	78	5616
Total Intensive Use Area			5616 m <sup>2</sup>

<b>Transfer Pens</b>			
# of utility floats:	4		
	width	length	m <sup>2</sup>
area at sea level	17	17	289
Intensive use area	77	77	5929
Total Intensive Use Area			23716 m <sup>2</sup>

Square Cages	40020	% Increase in IUA
Float House	5616	
Feed Shed	5616	
Transfer Pens	23716	
Total	74968 m <sup>2</sup>	
	7.5 Hectares	24.84%



## **Attachment #3**

### **Part III - Information for Fisheries and Oceans Canada (DFO)**

#### **Section C: Wild Fish, Fish Habitat and Siting Considerations**

C1: Modeling		
	1.1	Diagram of Prediction at Maximum Feed Rate (2x5 120m circle cages)
	1.2	Diagram of Prediction at Average Feed Rate (2x5 120m circle cages)
	1.1	Diagram of Prediction at Maximum Feed Rate (2x6 30m square cages)
	1.2	Diagram of Prediction at Average Feed Rate (2x6 30m square cages)
	1.1	Diagram of Prediction at Maximum Feed Rate (2x7 30m square cages)
	1.2	Diagram of Prediction at Average Feed Rate (2x7 30m square cages)
	1.1	Diagram of Prediction at Maximum Feed Rate (2x6 36m square cages)
	1.2	Diagram of Prediction at Average Feed Rate (2x6 36m square cages)
	1.3	Summary Tables and Results

Figure 1. Predicted 'Carbon Flux' contours ( $\text{gC}/\text{m}^2/\text{day}$ ) at the Port Elizabeth site based on the previously approved 2x5 120m circle cage configuration and 2860mt and a maximum feed rate of 1,810 kg/cage/day.

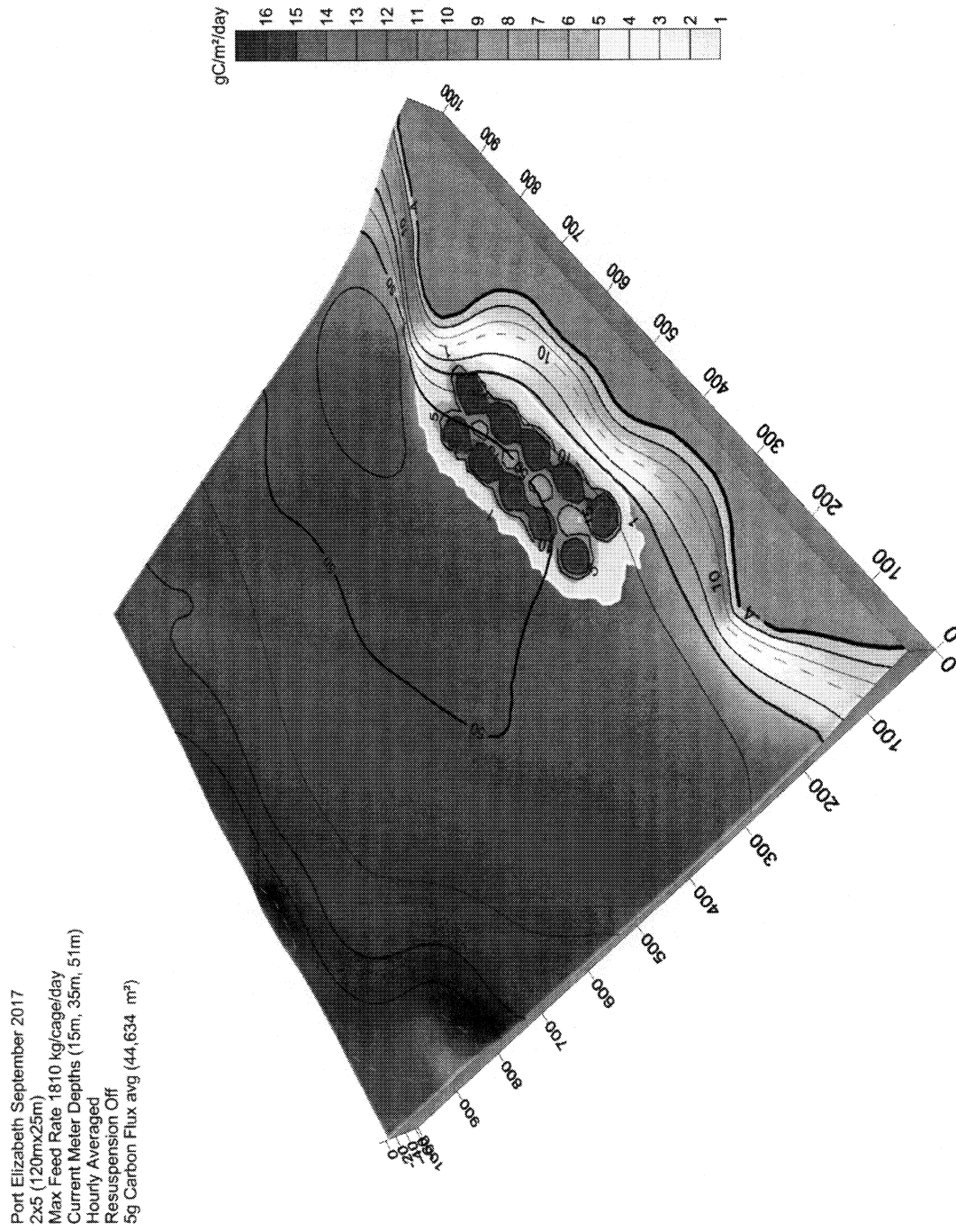


Figure 2. Predicted 'Carbon Flux' contours ( $\text{gC}/\text{m}^2/\text{day}$ ) at the Port Elizabeth site based on the previously approved 2x5 120m circle cage configuration and 2860mt and an average feed rate of 536 kg/cage/day.

Port Elizabeth September 2017  
 2x5 (120mx25m)  
 Avg Feed Rate 536 kg/cage/day  
 Current Meter Depths (15m, 35m, 51m)  
 Hourly Averaged  
 Resuspension Off  
 5g Carbon Flux avg (16,145  $\text{m}^2$ )

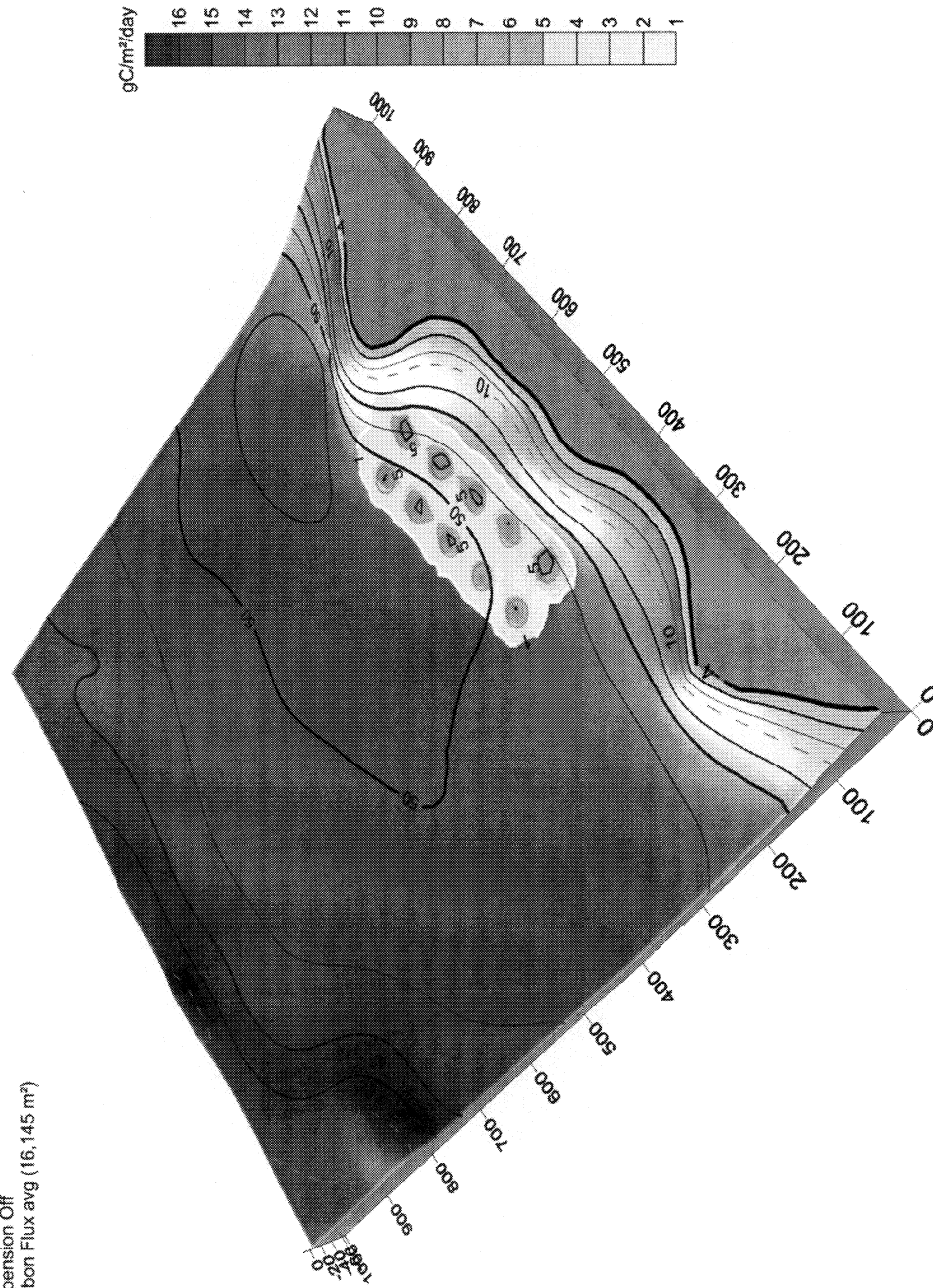


Figure 3. Predicted 'Carbon Flux' contours ( $\text{gC}/\text{m}^2/\text{day}$ ) at the Port Elizabeth site based on the previously approved 2x6 30m square cage configuration and 2860mt and a maximum feed rate of 1,508 kg/cage/day.

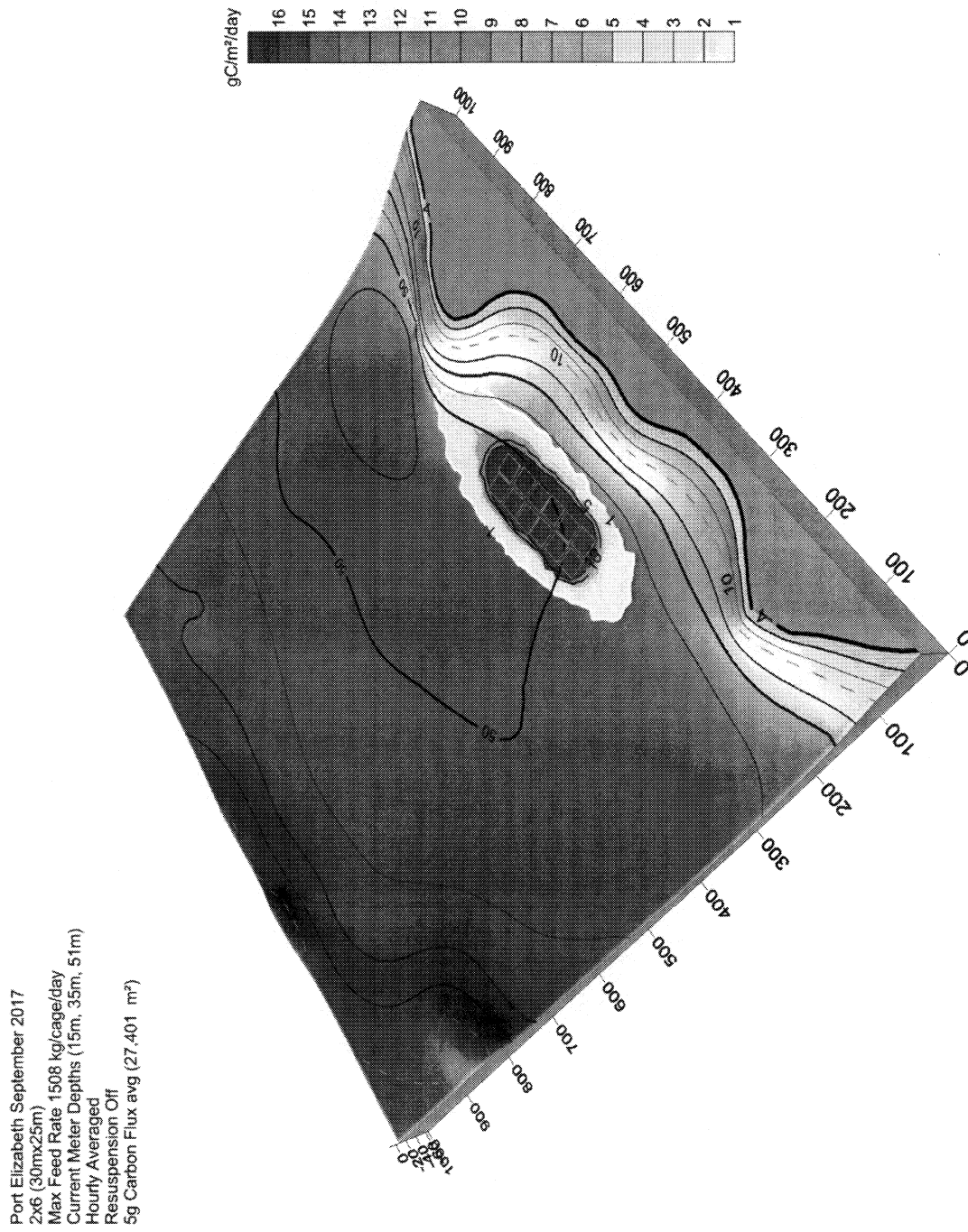


Figure 4. Predicted 'Carbon Flux' contours ( $\text{gC}/\text{m}^2/\text{day}$ ) at the Port Elizabeth site based on the previously approved 2x6 30m square cage configuration and 2860mt and an average feed rate of 447 kg/cage/day.

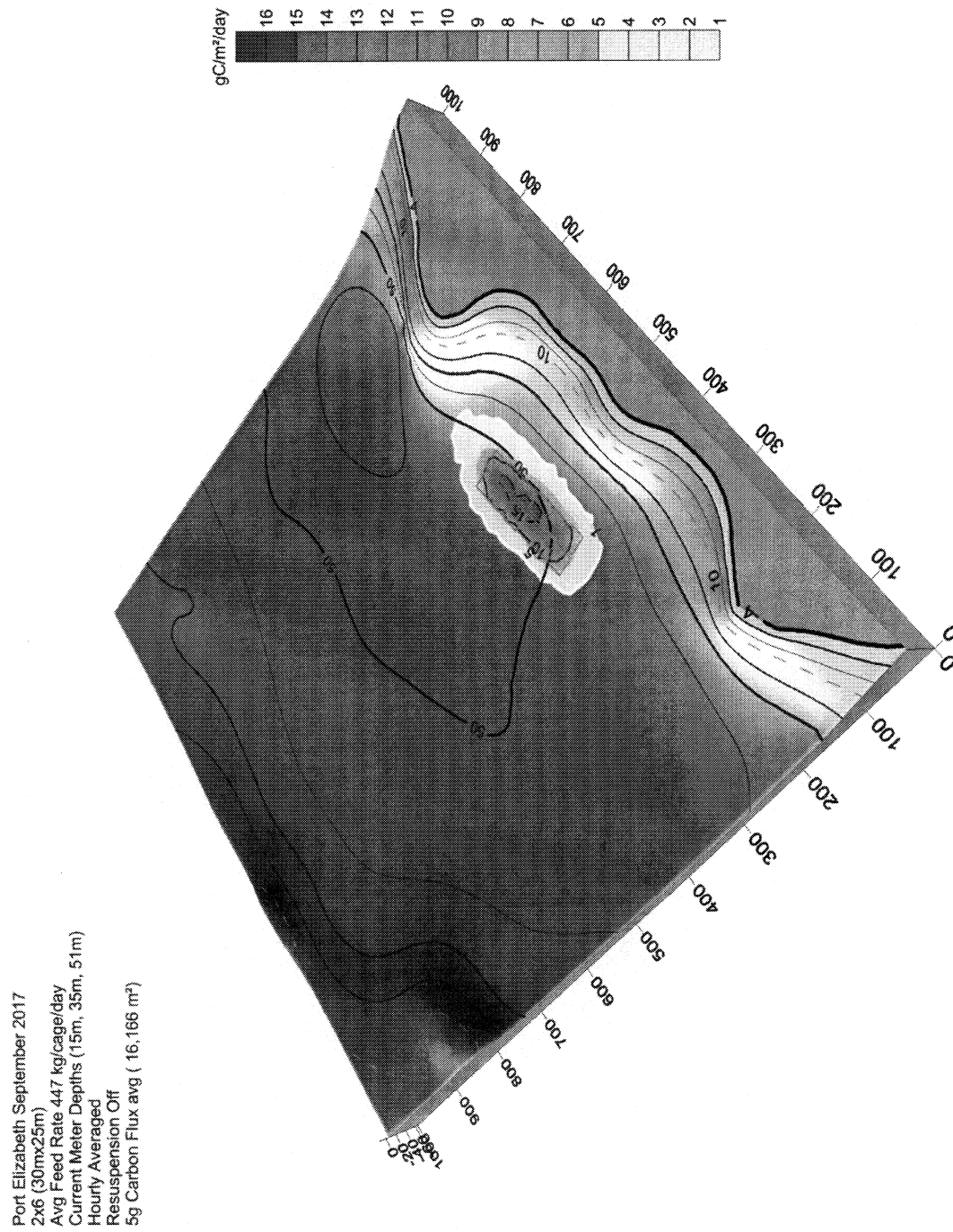


Figure 5. Predicted 'Carbon Flux' contours ( $\text{gC}/\text{m}^2/\text{day}$ ) at the Port Elizabeth site based on the proposed 2x7 30m square cage configuration and **2860mt** and a maximum feed rate of 1,293 kg/cage/day.

Port Elizabeth September 2017  
 2x7 (30mx25m)  
 Max Feed Rate 1293 kg/cage/day  
 Current Meter Depths (15m, 35m, 51m)  
 Hourly Averaged  
 Resuspension Off  
 5g Carbon Flux avg (29,980  $\text{m}^2$ )

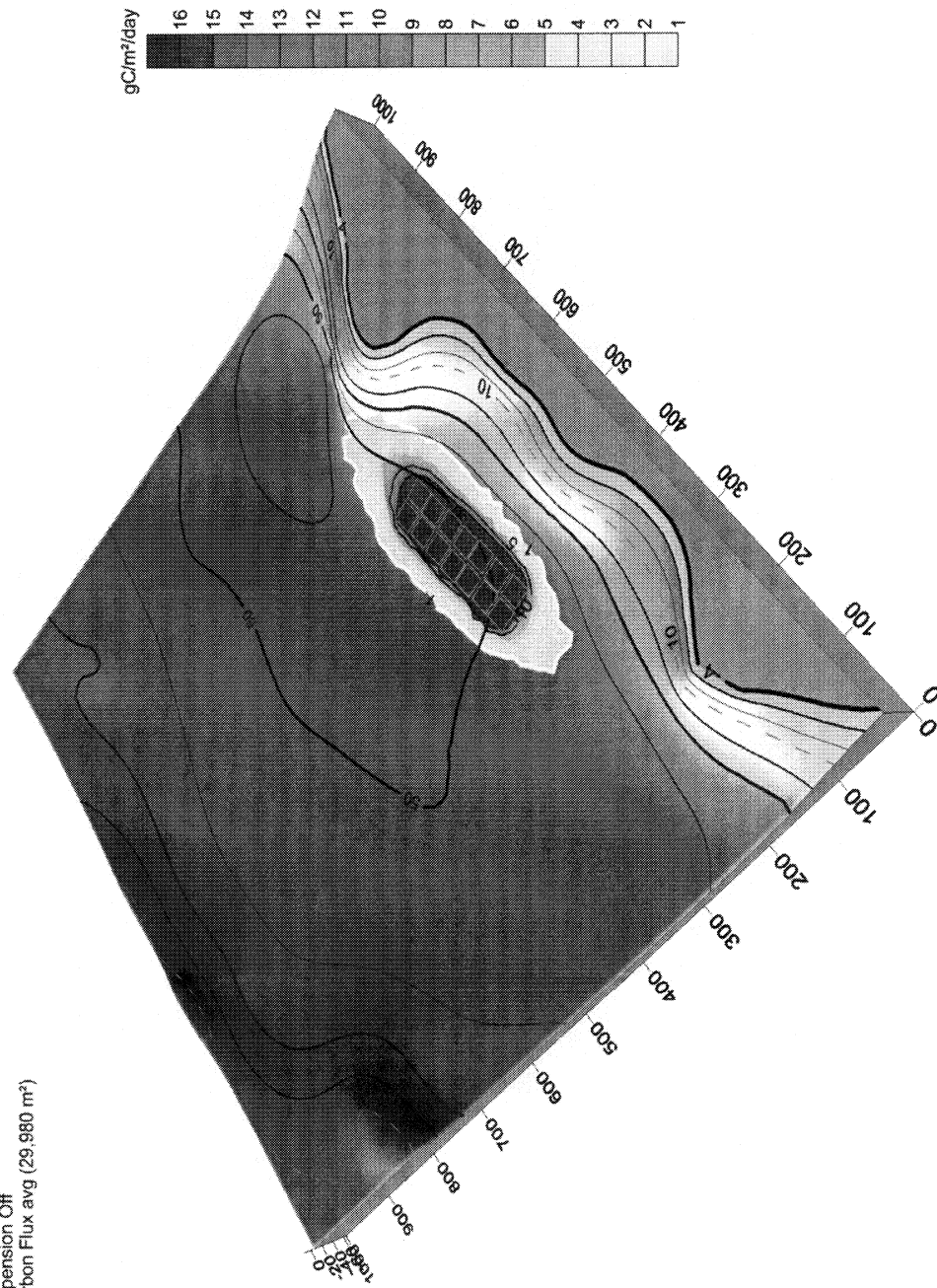


Figure 6. Predicted 'Carbon Flux' contours ( $\text{gC}/\text{m}^2/\text{day}$ ) at the Port Elizabeth site based on the proposed 2x7 30m square cage configuration and 2860mt and an average feed rate of 383 kg/cage/day.

Port Elizabeth September 2017  
 2x7 (30mx25m)  
 Avg Feed Rate 383 kg/cage/day  
 Current Meter Depths (15m, 35m, 51m)  
 Hourly Averaged  
 Resuspension Off  
 5g Carbon Flux avg ( 17,009  $\text{m}^2$ )

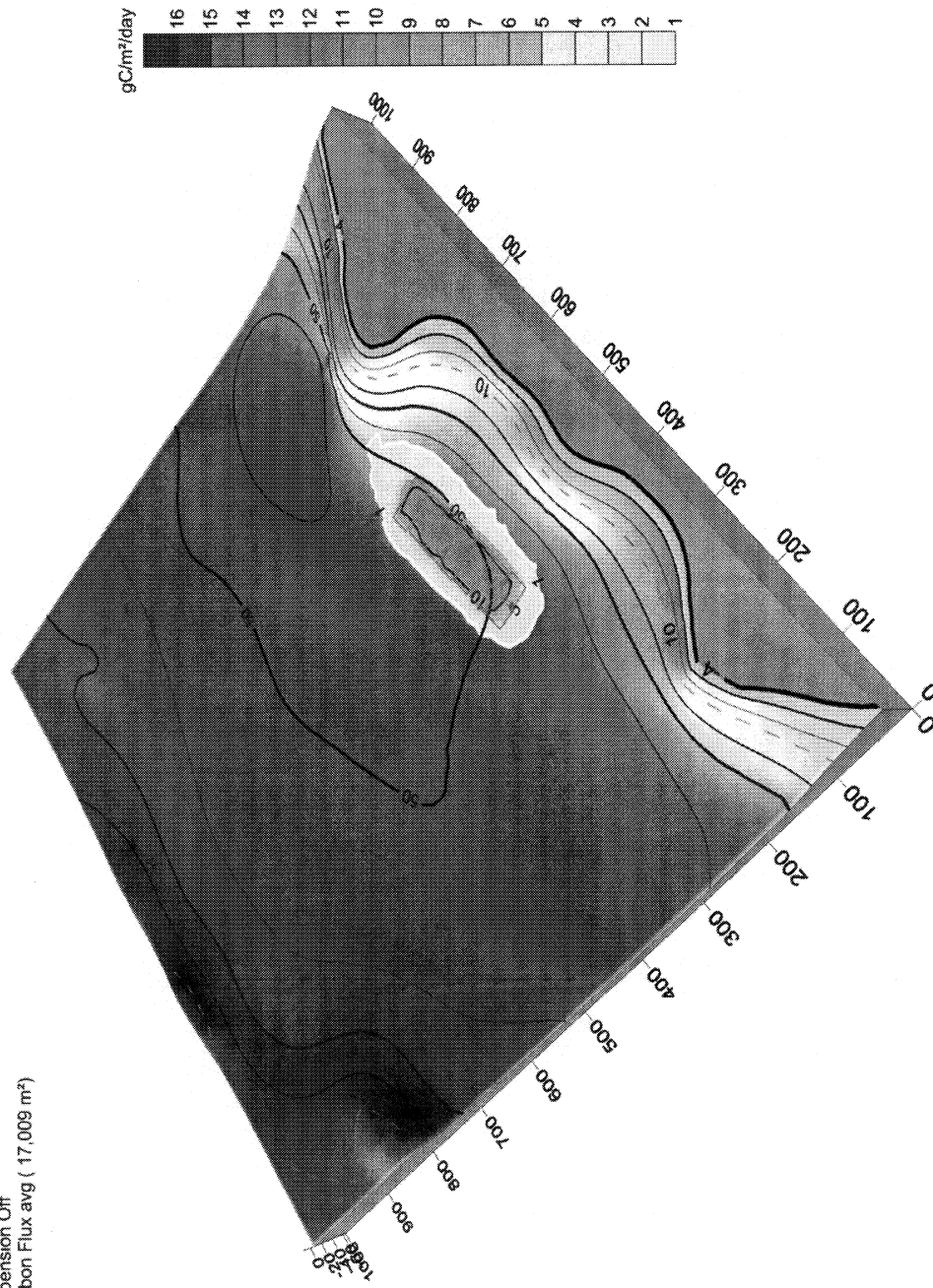




Figure 7. Predicted 'Carbon Flux' contours ( $\text{gC}/\text{m}^2/\text{day}$ ) at the Port Elizabeth site based on the proposed 2x6 36m square cage configuration and **2860mt** and an average feed rate of 1,508 kg/cage/day.

Port Elizabeth September 2017  
 2x6 (36mx25m)  
 Max Feed Rate 1508 kg/cage/day  
 Current Meter Depths (15m, 35m, 51m)  
 Hourly Averaged  
 Resuspension Off  
 5g Carbon Flux avg (31,447  $\text{m}^3$ )

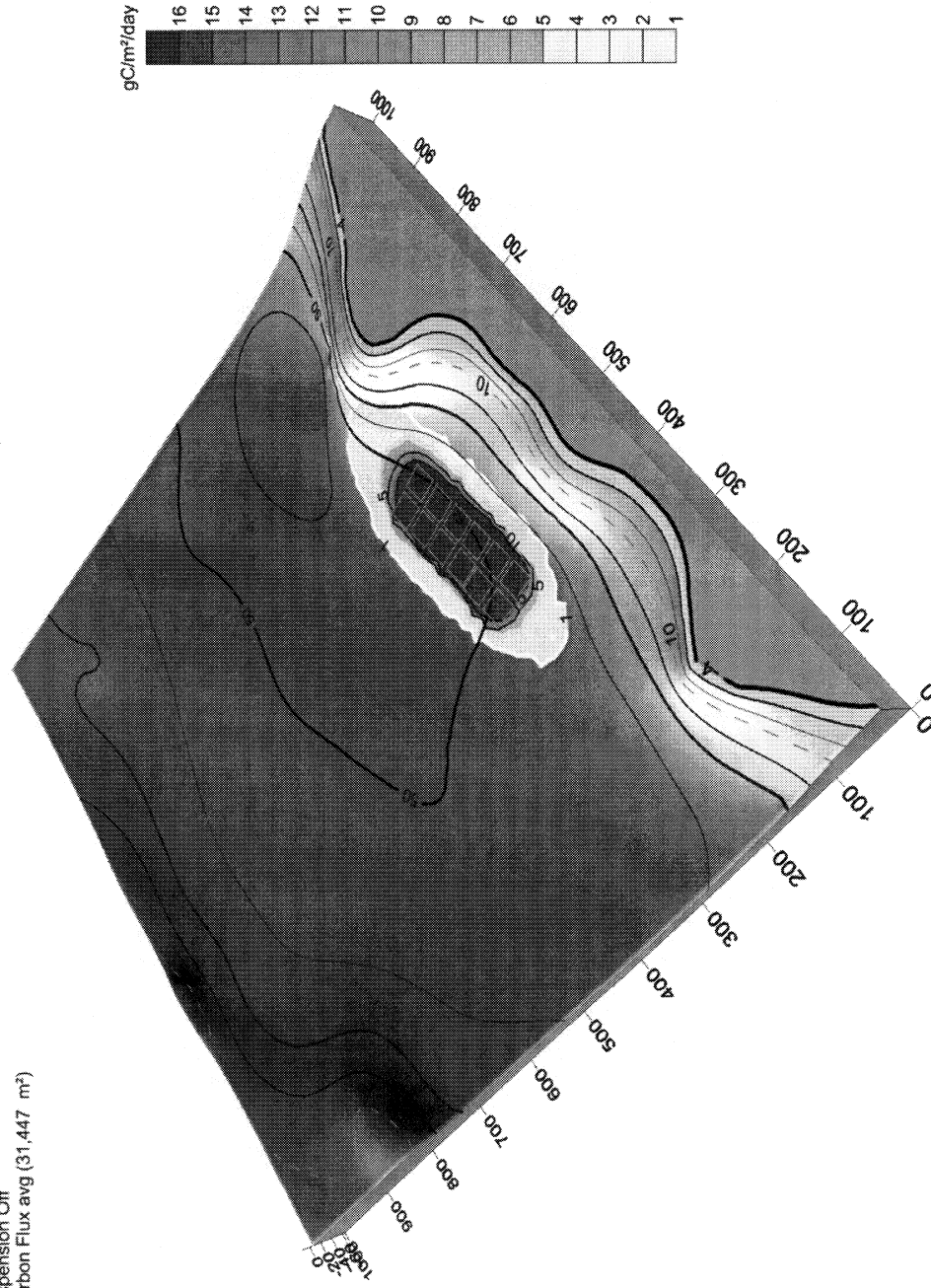




Figure 8. Predicted 'Carbon Flux' contours ( $\text{gC}/\text{m}^2/\text{day}$ ) at the Port Elizabeth site based on the proposed 2x6 36m square cage configuration and **2860mt** and an average feed rate of 447 kg/cage/day.

Port Elizabeth September 2017  
 2x6 (36mx25m)  
 Avg Feed Rate 447 kg/cage/day  
 Current Meter Depths (15m, 35m, 51m)  
 Hourly Averaged  
 Resuspension Off  
 5g Carbon Flux avg (19,015  $\text{m}^2$ )

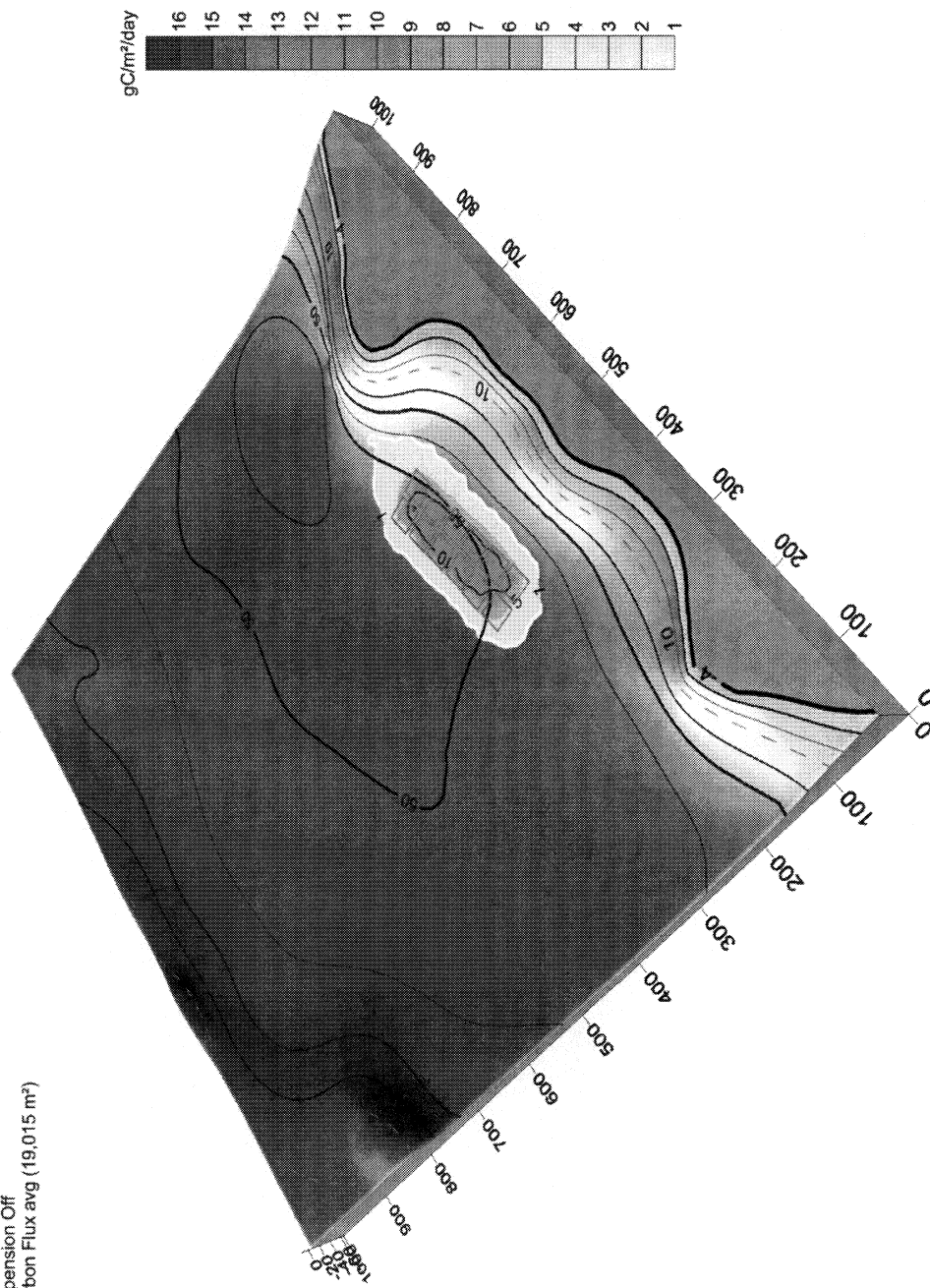


Figure 9. Predicted overlap of 5g 'Carbon Flux' contours ( $\text{gC}/\text{m}^2/\text{day}$ ) for the previously approved and proposed containment array configurations at Port Elizabeth.

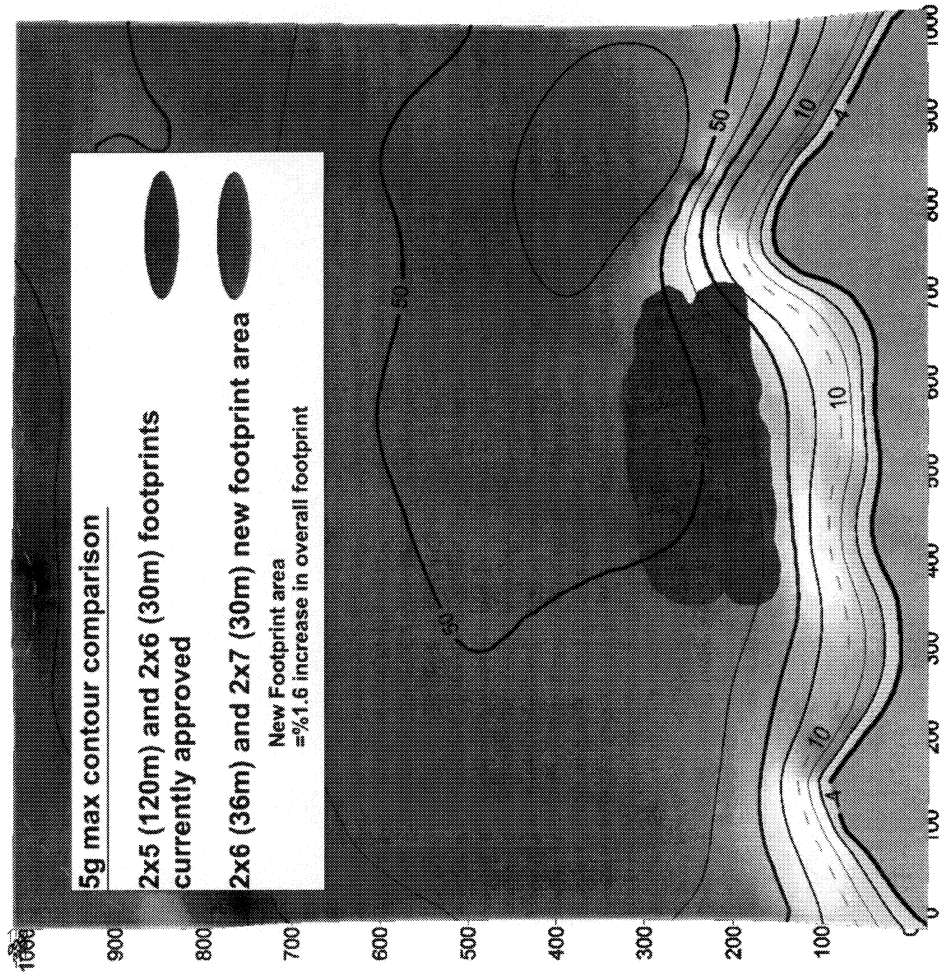


Table 1. Feed rates and predicted 5g 'Carbon Flux' averages for the previously approved and proposed containment structure arrays at the Port Elizabeth site.

Configuration	Cage Type	Cage Size	Maximum Allowable Biomass (MAB)	Feed Rate (kg/cage/day)		5g Carbon Flux Avg (m <sup>2</sup> )		Previously Approved Configuration?
				Maximum	Average	Maximum	Average	
2x5	Circle	120m	2860mt	1,810	536	44,634	16,145	yes
2x6	Square	30m	2860mt	1,508	447	27,401	16,166	yes
2x7	Square	30m	2860mt	1,293	383	29,980	17,009	No
2x6	Square	36m	2860mt	1,508	447	31,447	19,015	no

Table 2. DEPOMOD simulation input data.

Port Elizabeth DEPOMOD Model Summary

Number of pens (Previously Approved)	10
Grouping	2 rows of 5
Pen Type/size	120m circles
Pen Depth	25m
Number of current velocity data sets used	3
Heights of mooring above sea bed	15m, 35m, 51m
Depth of water column at mooring	56m
Length of current velocity record	30 days
Sampling interval (mins)	15
Time step of data used in model	averaged hourly
Total number of time steps used in model	720
Bathymetry from	OLEX
Approx. Farm production	2860mt
Length of Production Cycle	360

Number of pens (Proposed)	12
Grouping	2x6
Pen Type/size	36m
Pen Depth	25m
Number of current velocity data sets used	3
Heights of mooring above sea bed	15m, 35m, 51m
Depth of water column at mooring	56m
Length of current velocity record	30 days
Sampling interval (mins)	15
Time step of data used in model	averaged hourly
Total number of time steps used in model	720
Bathymetry from	OLEX
Approx. Farm production	2860mt
Length of Production Cycle	360

Number of pens (Proposed)	14
Grouping	2x7
Pen Type/size	30m
Pen Depth	25m
Number of current velocity data sets used	3
Heights of mooring above sea bed	15m, 35m, 51m
Depth of water column at mooring	56m
Length of current velocity record	30 days
Sampling interval (mins)	15
Time step of data used in model	averaged hourly
Total number of time steps used in model	720
Bathymetry from	OLEX
Approx. Farm production	2860mt
Length of Production Cycle	360

## **Attachment #4**

### **Part III - Information for Fisheries and Oceans Canada (DFO)**

#### **Section C: Wild Fish, Fish Habitat and Siting Considerations**

1.4	Current Data
-----	--------------

### D3: Currents Metering

Current velocity and tidal water circulation studies for Port Elizabeth were conducted over a period of one month as required by DFO. The maximum depth at the Port Elizabeth lease site is approximately 65m below low tide. Current velocity and direction characteristics were collected at 15m below the surface, 35m below the surface and 5m off the bottom. Summary information for the three depths: 15m, 35m, and 51m are shown in Table 1.

**Table 1.** Summary of Hydrographic Data at Port Elizabeth (February to April 2009).

Depth (m)	Average Speed (cm/s)	Peak Speed (cm/s)	Dominant Current Direction ( $^{\circ}$ Mag)	Subdominant Current Direction ( $^{\circ}$ Mag)
15	2.9	10.9	20	180
35	3.4	13.8	240	60
51	4.7	24.3	70	260

### Equipment

Teledyne RD Instruments Workhorse Sentinel 300kHz Acoustic Doppler Current Profiler (ADCP) (See below for Technical Specifications sheet )

### Deployment Procedures

Synchronous collection of depth data (Bin Size 2m)

No. Bins 34, Pings/Ens 80, Time/Ping 00:11.25

First Ensemble 00000001 09/02/21 00:00:00.00

Last Ensemble 00006000 09/04/24 11:45:00.00

Average Ensemble Interval 00:15:00.00

### Current Meter Moorings and deployment Location

The ADCP was deployed on the north side of the existing cage array (Figure 1).

A 150lb anchor was used to submerge the ADCP. A subsurface float (20m from the ADCP) was used to keep the ADCP pointed upwards.

Latitude 50 40.293N

Longitude 126 28.610W

Instrument Depth 56m

## Data Processing and Reporting

Teledyne RD Instruments PlanADCP, WinADCP, and WinSC software packages were used to configure the ADCP for deployment, download the data, and export the raw data in a text format. Exported data was loaded into the EXCEL Hydrographic data analysis toolkit "HGDA.XLS" for QA/QC.

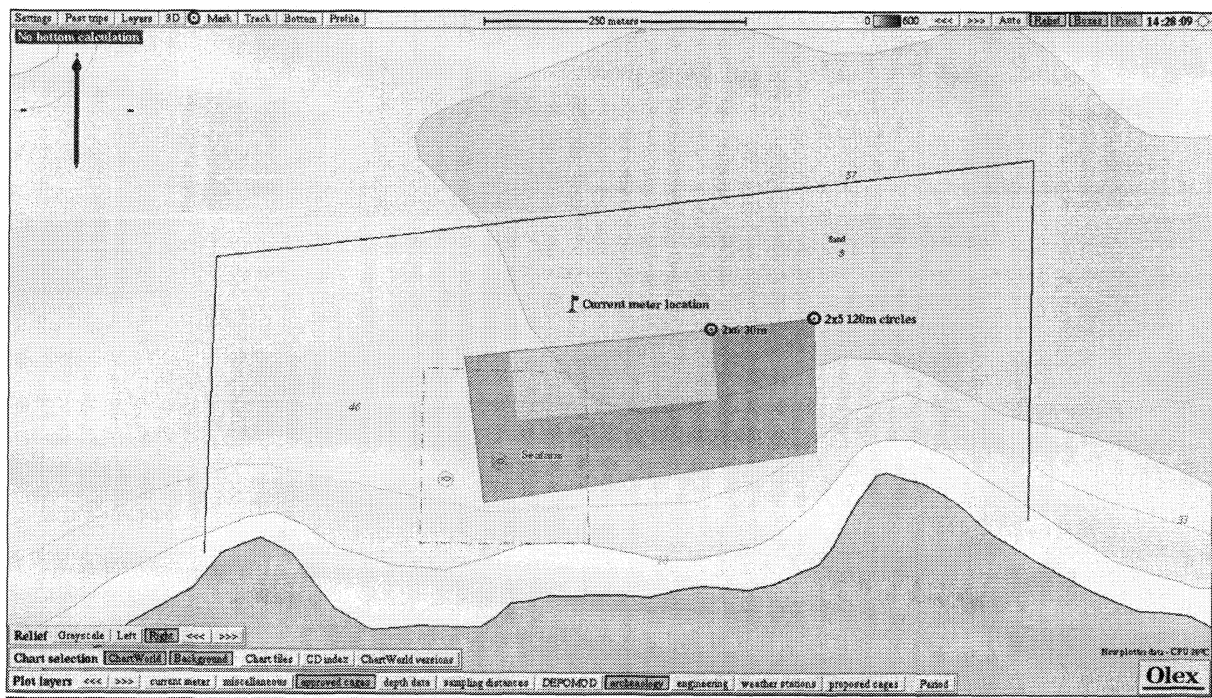
Current directions are degrees magnetic.

HGDA.XLS results for 15m, 35m, and 51m depths are in below.

## Contact person responsible for collecting and reporting the current measurements:

[REDACTED] (Marine Harvest Canada)

**Figure 1.** Location of the 2009 current meter deployment at Port Elizabeth relative to the cage array.

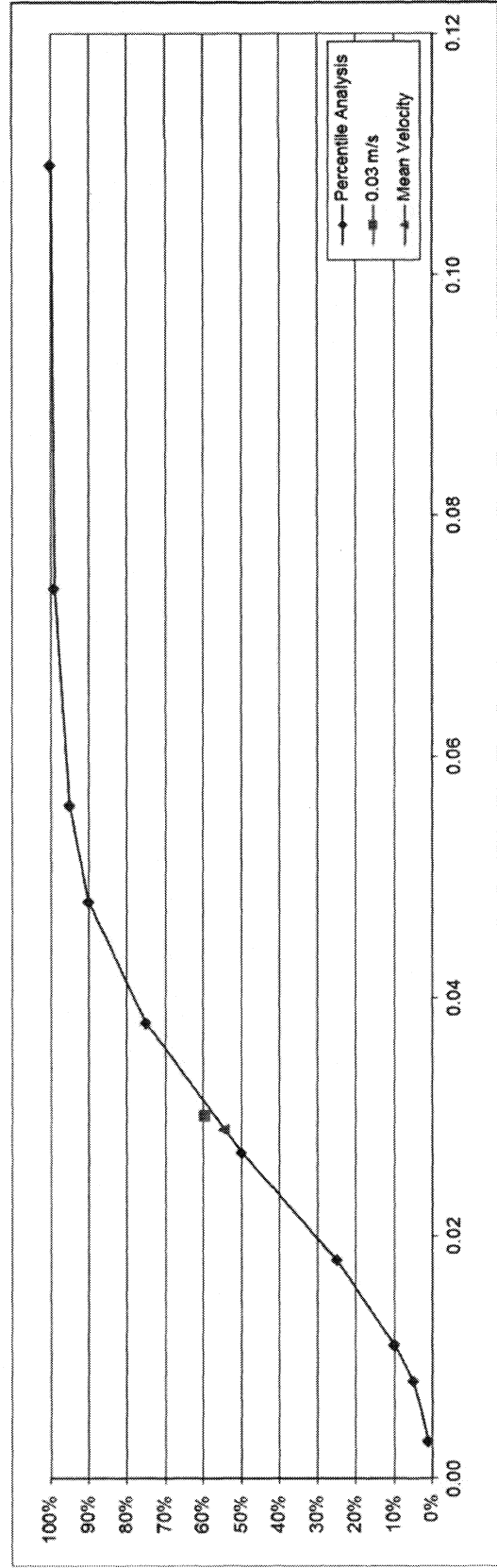
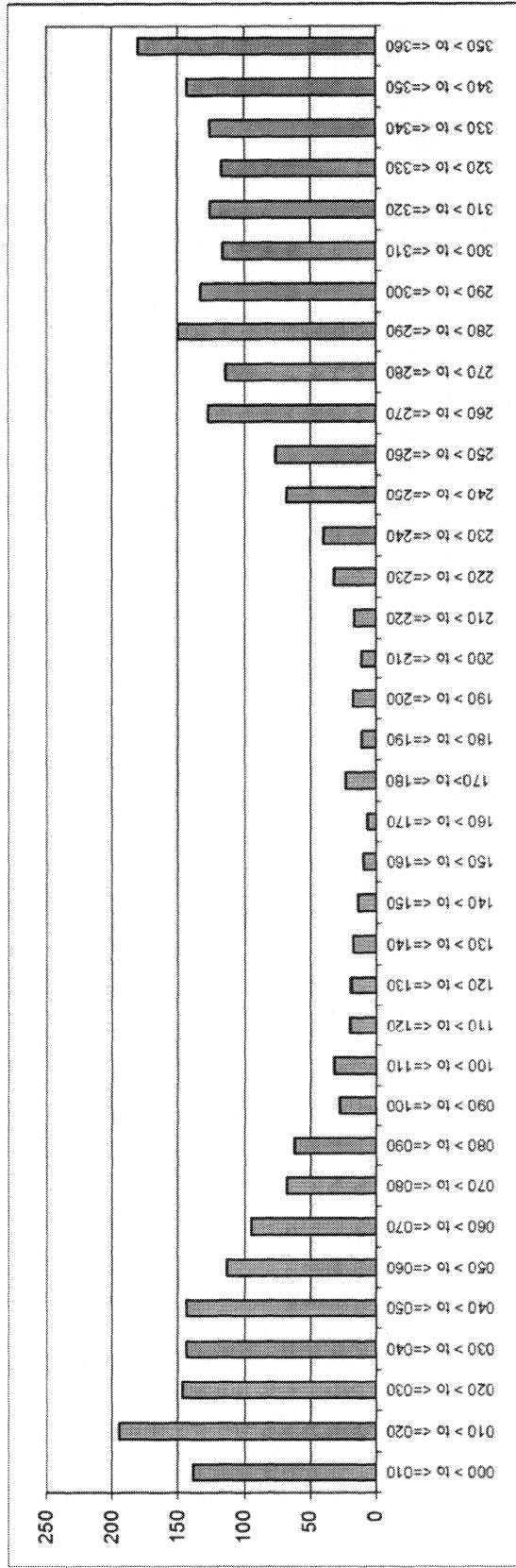


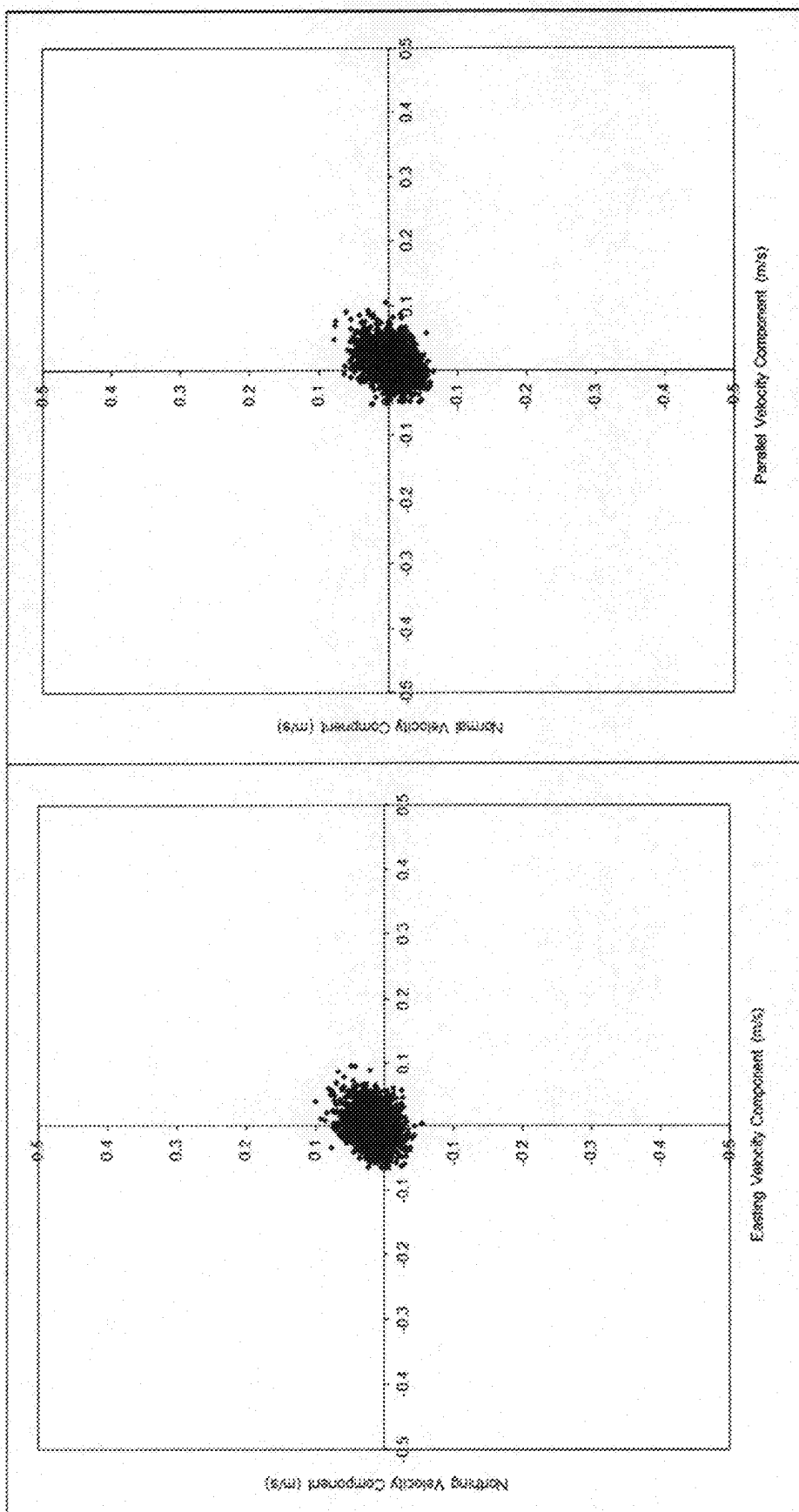
## **Spec sheets for ADCP**

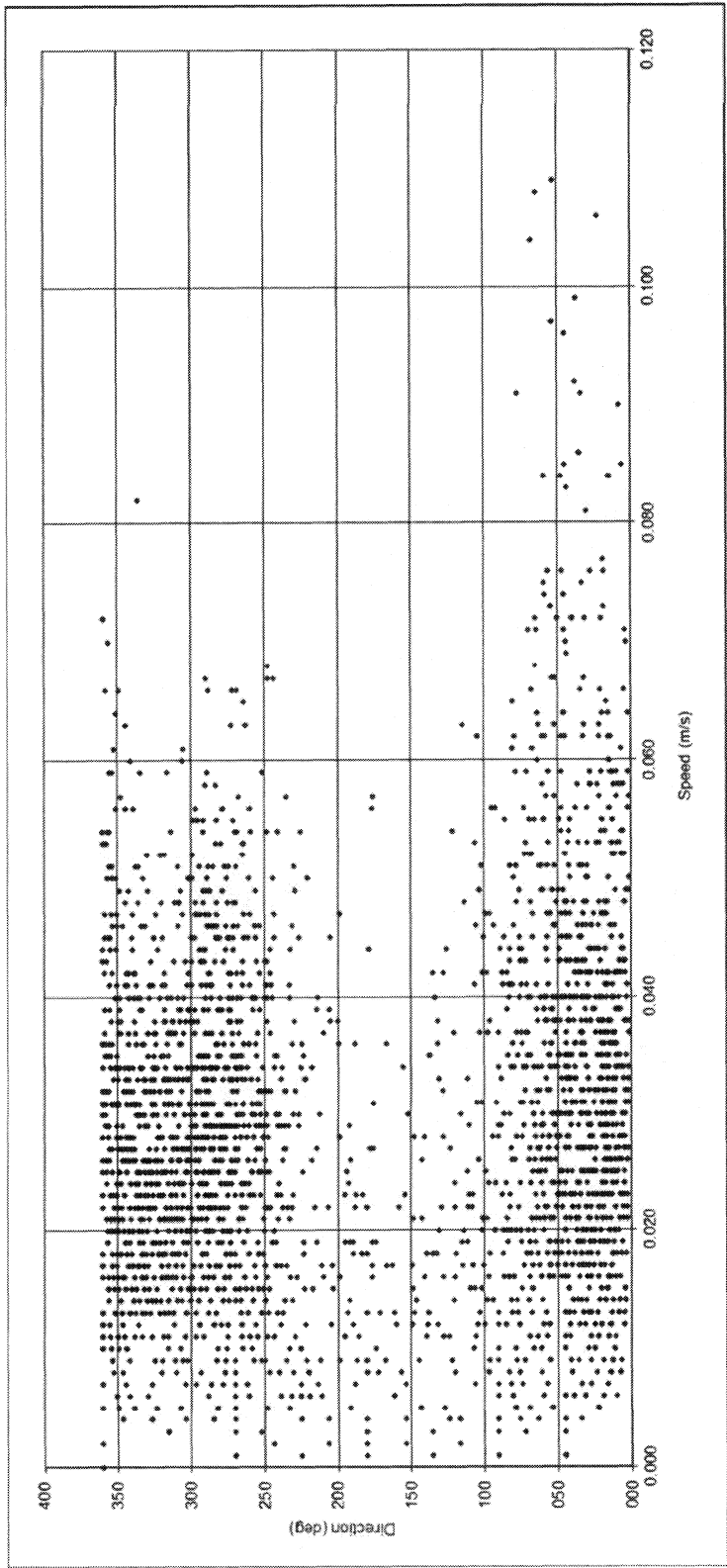
No information has been removed or severed from this page

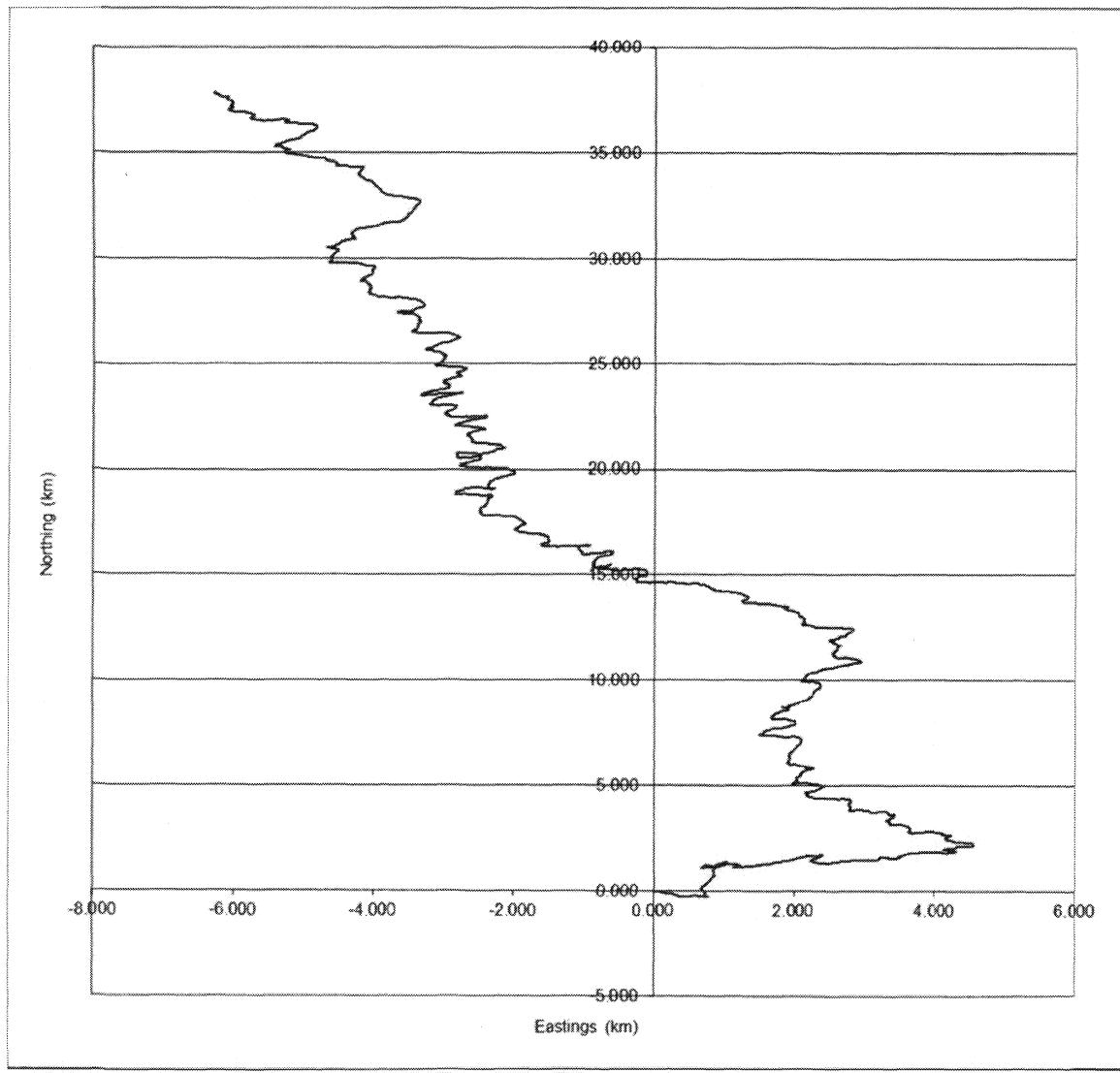
Site Name	Port E 15m
Number of Records	2882
Start Time	21/02/2009 00:00:00
End Time	23/03/2009 00:15:00
Speed	
Max	0.109
Min	0.000
Mean	0.029
Major Axis (+ve)	20
Minor Axis (+ve)	110
Time Interval	15
Parallel Component	
Max	0.106
Min	-0.052
Mean	0.013
Normal Component	
Max	0.077
Min	-0.067
Mean	-0.007
Residual Current	
Speed	0.015
Direction	350.567
Major Axis (-ve)	200
Minor Axis (-ve)	290
Date/Time Data	
Days	30
Hours	0
Mins	15

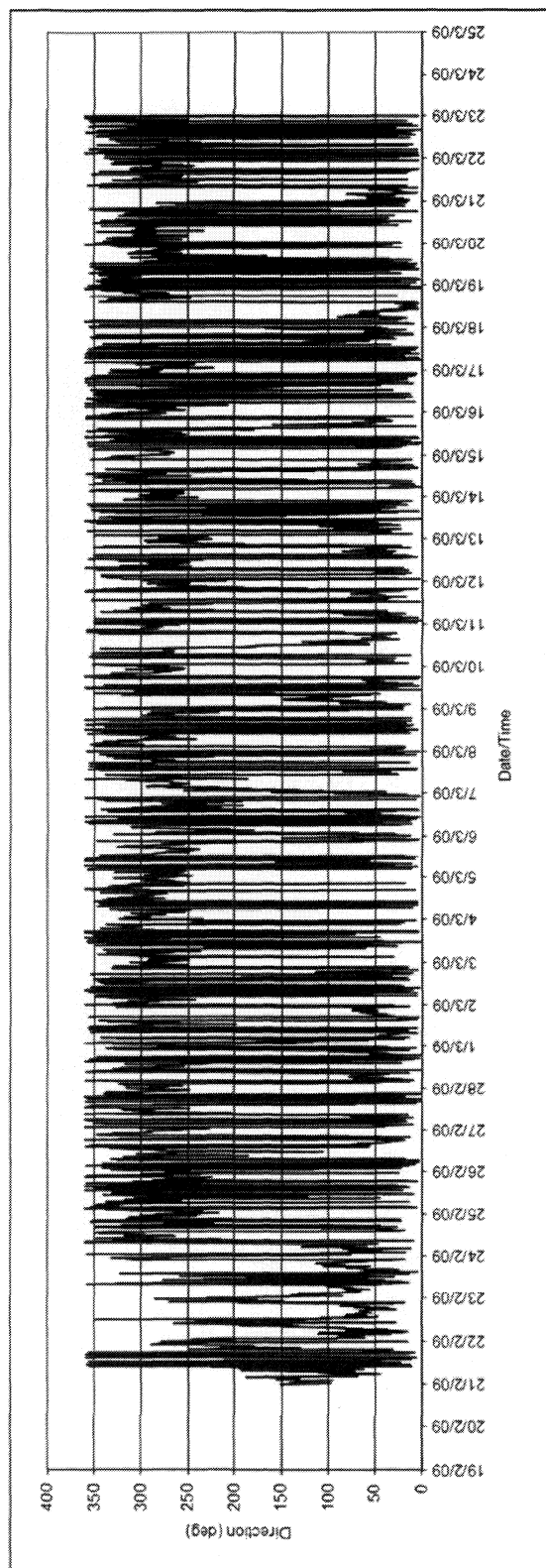
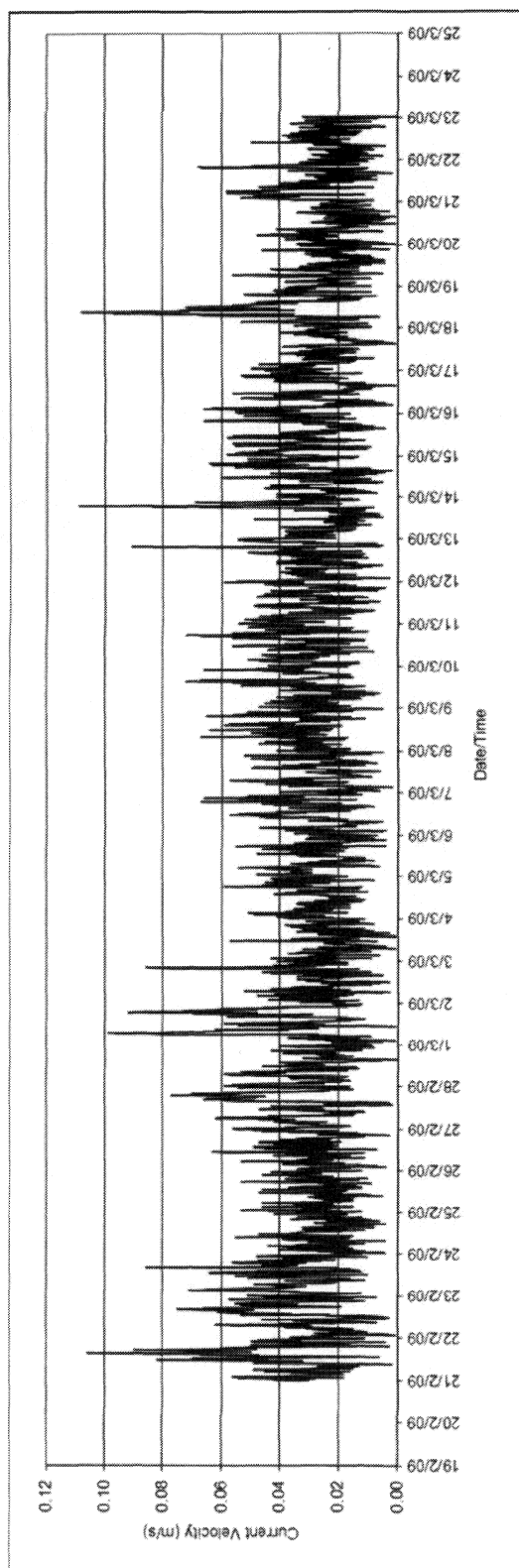












Direction	Freq	Speed	Freq	Percentile	Current Speed
000 > to <=010	139	0.000> to <=0.030	59.64608	1%	0.00
010 > to <=020	195	0.030> to <=0.050	31.81818	5%	0.01
020 > to <=030	147	0.050> to <=0.075	7.633588	10%	0.01
030 > to <=040	144	0.075> to <= 0.100	0.763359	25%	0.02
040 > to <=050	144	0.100> to <=0.125	0.138793	50%	0.03
050 > to <=060	113	0.125> to <=0.150	0	75%	0.04
060 > to <=070	95	> 0.150	0	90%	0.05
070 > to <=080	68			95%	0.06
080 > to <=090	62			99%	0.07
090 > to <=100	27			100%	0.11
100 > to <=110	32			0.60	0.0301
110 > to <=120	20			0.55	0.03
120 > to <=130	19				
130 > to <=140	18				
140 > to <=150	14				
150 > to <=160	10				
160 > to <=170	7				
170> to <=180	23				
180 > to <=190	11				
190 > to <=200	18				
200 > to <=210	11				
210 > to <=220	17				
220 > to <=230	32				
230 > to <=240	40				
240 > to <=250	68				
250 > to <=260	76				
260 > to <=270	127				
270 > to <=280	114				
280 > to <=290	150				
290 > to <=300	133				
300 > to <=310	116				
310 > to <=320	126				
320 > to <=330	117				
330 > to <=340	126				
340 > to <=350	143				
350 > to <=360	180				

Site Name	Port E 35m
Number of Records	2882
Start Time	21/02/2009 00:00:00
End Time	23/03/2009 00:15:00
Speed	
Max	0.138
Min	0.001
Mean	0.034
Major Axis (+ve)	240
Minor Axis (+ve)	330
Time Interval	15
Parallel Component	
Max	0.136
Min	-0.104
Mean	0.003
Normal Component	
Max	0.065
Min	-0.045
Mean	0.000
Residual Current	
Speed	0.003
Direction	238.352
Major Axis (-ve)	60
Minor Axis (-ve)	150

Date/Time Data	
Days	30
Hours	0
Mins	15

**Lim, Susan**

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**From:** Lim, Susan  
**Sent:** September-22-17 6:00 PM  
**To:** Taekema, Bernie John; Shaw, Kerra; Backe, Nicole  
**Cc:** John Mackie; Jim Johnson; McCorquodale, Brenda  
**Subject:** PRT - LF 1403104 Licence Amendment for Marine Harvest, Port Elizabeth, Gilford Island, Fac No. 141  
**Attachments:** PRT Review and Recommendations - MHC Port Elizabeth 141.docx

Please find assigned to you in AQUIS, a Licence Amendment for Marine Harvest, Port Elizabeth.

Please complete and return the attached worksheet. You can find the application information located at:  
X:\AMD Referral - PRT Information\PRT Applications - in process\MFF - 141 - MHC - Port Elizabeth

Jim and John: I have attached the worksheet for you to complete and return to me prior to our next PRT meeting.

MHC is seeking to amend the infrastructure of Port Elizabeth finfish aquaculture site. MHC would like to add the option of using two cage scenarios to the existing approved 2x5 circle pen array and 2x6 30m square array. The proposed cage array options would add the option of using a 2x6 array of 36m square pens and a 2x7 array of 30m square pens.

The addition of each of the cage option meets the conditions of Incidental Aquaculture Use in that the Intensive Use Area for either proposed option is less than that of the original 2x5 circle cage array that has been previously approved.

Regards,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)



## PRT Review and Recommendations

### APPLICATION:

- ☐ NEW – Crown Land - reply to FCBC  
☐ AMENDMENT – Crown Land (that includes tenure boundary change) – reply to FCBC  
☐ AMENDMENT – Crown Land (no change to tenure boundary) – do not reply to FCBC  
☐ NEW or AMENDMENT– non-Crown Land (Park, Federal Land, Harbour Port, etc.) - DFO only  
☒ IAU Notification (FLNR), Amendment (DFO, TC) – Crown Land (no change to tenure boundary) – do not reply to FCBC

Land File # 1403104 ATS Project # 262758 Facility No. 141

Name: Marine Harvest Canada

Location: Port Elizabeth

Date Received at FCBC: \_\_\_\_\_ Date email sent to PRT members: Sept. 25, 2017

AGENCY	PRT AGENCY REP	TRIGGER Y/N	AGENCY LEAD
DFO	NB, BT, KS	Choose an item.	
TC	JM	Choose an item.	
FLNRO	JJ	Choose an item.	

### INFO REQUIRED BY PRT

PART	SECTION	REQUIREMENT
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	

### ADDITIONAL COMMENTS from FCBC:

PRT Letter(s) Sent:

(Date)

(Date)

Client Response Received:

(Date)

(Date)

☐ Yes   ☐ No   Additional or amended documentation has been received by the PRT directly from the client. (If yes, attach to this PRT Review and Recommendations document.)

## NOT ACCEPTABLE TO PRT

**DUE TO OUTSTANDING SIGNIFICANT DEFICIENCIES or SHOWSTOPPER - Application to be returned by FCBC; applicant may submit new application if desired.**

PART	SECTION	REQUIREMENT
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	

**ADDITIONAL COMMENTS:**

**RECOMMENDATION TO FCBC:**

☐ **ACCEPT**      ☐ **DO NOT ACCEPT**

(Date)

**Lim, Susan**

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**From:** Lim, Susan  
**Sent:** October-02-17 9:52 AM  
**To:** Diane Tetarenko; Lesley Fettes; Jim Johnson; John Mackie; Taekema, Bernie John;  
Kosmider, Gabrielle; Backe, Nicole  
**Subject:** AGENDA - Oct 3 - 9am - PRT Conference Call  
**Attachments:** Oct 3 - PRT Updated Review.docx

Hi everyone,

See attached agenda for tomorrow's 9 am PRT conference call. Let me know if you would like to add anything else to the agenda.

Please also advise if you will not be available for this call.

Thank you,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

s.19(1)

**PRT File Review**  
**03 October 2017**  
**9:00 am**

Call in number: 1-877-413-4781 Code [REDACTED]

Attendees: Diane Tetarenko, Lesley Fettes, Jim Johnson, John Mackie, Bernie Taekema, Gabrielle Kosmider, Nicole Backe  
 Secretariat: Susan Lim

**PRT File Review**

Company	ATS / Lands No	Site Ref / TC NPP NO	Application Status	Notes
UHA – Stagg Bay	249558	8333	DFO - FLNRO – TC –	Geoduck – Application will need to be split into 2 landfile numbers if we proceed DFO Pre-screening
UHA – WS Hernando Isl	249557	8373	DFO - FLNRO – TC – JM – require changes to the proposed works	Geoduck – DFO Pre-screening
UHA – NW Hernando Isl	249635	8355	DFO - FLNRO – TC –	Geoduck – DFO Pre-screening
Fan Seafood	249753	8393	DFO - FLNRO – TC –	Geoduck, South Savary Island DFO Pre-screening
Maplestar Seafood Ltd	254483	6712	DFO – FLNRO – TC –	Geoduck, DFO Pre-screening NanOOSE Bay CFIA - This site does not have sufficient biotoxin monitoring for geoduck clams
MHC – Larsen Island	259322	143	DFO – Accept FLNRO – TC –	Infrastructure amendment Marco working with MHC to clarify cage sizes. Still waiting to hear back from MHC. Reviewing to see if it can be classify as incidental aquaculture use. Melinda will work with Marco on this file regarding cage sizes.
T'Sou-ke Nation	258690	9129	DFO – Accept FLNRO – TC – Accept	Pacific Oysters, Possession Point, Sooke, BC FLNRO will review week of Sept 25 <sup>th</sup> .
Comox Shellfish Ltd	259797 / 0319716	763	DFO - Do NOT Accept FLNRO – TC –	Geoduck, Deep Bay, DFO Pre-screening Amendment – no proposed tenure boundaries. DFO will only accept 1 application per site. FCBC to send letter to client. Await FCBC's instructions on client's decision.
Penelakut Seafoods	253164	9149	DFO - FLNRO – TC – Accept	Booth Bay, Manila Clam, Pacific Oyster, Littleneck Clam Diane and Jim will review. DFO requires further info.
[REDACTED]	260534	9171	DFO - FLNRO – TC –	Geoduck, Baynes Sound, DFO Pre-screening
Coastal Shellfish Corporation	253195	9209	DFO - Do not accept FLNRO – TC – DO NOT ACCEPT	Japanese Scallops, Pike Island TC Requires more drawings. DFO requires map & clarification of tenure size. FLNRO will review week of Sept 25 <sup>th</sup> .
[REDACTED]			DFO - DO NOT ACCEPT FLNRO – TC –	[REDACTED] -unclassified water, not monitored for biotoxin. DENIED - sent to FCBC
Argosy Sea Farms Ltd	260669 / 1411185	1878	DFO - FLNRO – TC –	Geoduck, DFO Pre-screening Squirrel Cove – Tenure boundary

s.16(2)(c)

s.19(1)

s.20(1)(b)

				change
MHC – Upper Retreat	261820 / 1404379	739	DFO - Accept FLNRO – TC – Accept	Infrastructure – IAU FLNRO to confirm it is IAU.
Klahoose Shellfish Inc. Baker Passage	261811	9249	DFO - FLNRO – TC –	Geoduck, DFO Pre-screening Baker Passage North of Hernando Island
Marine Harvest Canada	262758/ 1403104	141	DFO - FLNRO – TC – ACCEPT	Infrastructure – IAU Port Elizabeth FLNRO to confirm it is IAU

Accepted but waiting Official Referral - FLNRO working on statusing and engagement letter				

Decision Pending / AIP	Type	Facility	Facility No	Landfile No	Status
Canadian King Research Inc.	SF NEW	S of Rebecca Spit (IGMF)	6833	1411182	Decision Pending
Pentlatch Seafoods Ltd.	SF NEW	Comox Bar (IGMF)	1975	1411212	Decision Pending

#### Topics to Discuss

Diane – update on three files with FCBC. (Smith Inlet, Moon Bay, Oyster Spat).

Angela Ranson update: DFO has no showstoppers. If BC rejects, it should be fine. Shelley Meadows is the reviewer on this file from DFO.

#### DFO - Clock Paused – On Hold and Approved in Principle

1403139/127 - Lorindale Holdings [REDACTED] - Clock Pause - Litigation – Under Review – June 1 litigation seems to be resolving itself but this is in the Comox area so FN issues to follow  
ATS156286/1261 1407063 - Odyssey Seafood - Harmonization and coordination of decision-making  
ATS 150100/535 0278745 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150101/1533 0278772 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150485/531 0278755 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150097/521 0278767 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150099/519 0278753 - [REDACTED] (Mac's) - Harmonization and coordination of decision-making  
ATS 155429/7614 1414372 - [REDACTED] - Harmonization and coordination of decision-making  
ATS 155430/7693 2409221 - [REDACTED] site 2 - Harmonization and coordination of decision-making

New Issue – Unlicensed facilities – DFO to review applications 1<sup>st</sup> – would like to renew as they would have originally been licensed for, and then accept an amendment application. This would have to be looked at 1<sup>st</sup> on a case by case basis.

**Lim, Susan**

---

**From:** Lim, Susan  
**Sent:** October-13-17 3:54 PM  
**To:** Diane Tetarenko; Lesley Fettes; Jim Johnson; John Mackie; Taekema, Bernie John;  
Kosmider, Gabrielle; Backe, Nicole  
**Subject:** AGENDA - 9 am - Oct 17 - PRT Conference Call  
**Attachments:** Oct 17 - PRT Updated Review.docx

Hi everyone,

See attached agenda for the PRT Conference Call at 9 am Tuesday morning.

Please advise your availability.

Thank you,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

**PRT File Review**  
**17 October 2017**  
**9:00 am**

Call in number: 1-877-413-4781 Code [REDACTED]

Attendees: Diane Tetarenko, Lesley Fettes, Jim Johnson, John Mackie, Bernie Taekema, Gabrielle Kosmider, Nicole Backe  
Secretariat: Susan Lim

**PRT File Review**

Company	ATS / Lands No	Site Ref / TC NPP NO	Application Status	Notes
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[REDACTED]	260534	9171	DFO - FLNRO - TC -	Geoduck, Baynes Sound, DFO Pre-screening
Coastal Shellfish Corporation	253195	9209	DFO - Accept FLNRO – Accept TC – Accept	Japanese Scallops, Pike Island TC Requires more drawings. DFO requires map & clarification of tenure size. Received overview map.
Argosy Sea Farms Ltd	260669 / 1411185	1878	DFO - FLNRO - TC -	Geoduck, DFO Pre-screening Squirrel Cove – Tenure boundary change
MHC – Upper Retreat	261820 / 1404379	739	DFO - Accept FLNRO – TC – Accept	Infrastructure – IAU FLNRO to confirm it is IAU. Marco is working on this.
Klahoose Shellfish Inc. Baker Passage	261811	9249	DFO - FLNRO - TC -	Geoduck, DFO Pre-screening Baker Passage North of Hernando Island FLNRO – Hold – Overlap
Marine Harvest Canada	262758/ 1403104	141	DFO - FLNRO - TC – ACCEPT	Infrastructure – IAU Port Elizabeth FLNRO to confirm it is IAU

Accepted but waiting Official Referral - FLNRO working on statusing and engagement letter				

Decision Pending / AIP	Type	Facility	Facility No	Landfile No	Status
Canadian King Research Inc.	SF NEW	S of Rebecca Spit (IGMF)	6833	1411182	Decision Pending
Pentlatch Seafoods Ltd.	SF NEW	Comox Bar (IGMF)	1975	1411212	Decision Pending

#### Topics to Discuss

Metlakatla Development Corporation Applications – Morse Basin #1 & #2, Tuck Inlet #1, #2, #3

Diane – update on three files with FCBC. (Smith Inlet, Moon Bay, Oyster Spit).

Angela Ranson update: DFO has no showstoppers. If BC rejects, it should be fine. Shelley Meadows is the reviewer on this file from DFO.

#### **DFO - Clock Paused – On Hold and Approved in Principle**

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ATS 150485/531 0278755 - Mac's Oysters - Harmonization and coordination of decision-making

ATS 150097/521 0278767 - Mac's Oysters - Harmonization and coordination of decision-making

ATS 150099/519 0278753 - [REDACTED] (Mac's) - Harmonization and coordination of decision-

ATS 155429/7614 1414372 - [REDACTED] - Harmonization and coordination of decision-making

ATS 155430/7693 2409221 - [REDACTED] site 2 - Harmonization and coordination of decision-making

New Issue – Unlicensed facilities – DFO to review applications 1<sup>st</sup> – would like to renew as they would have originally been licensed for, and then accept an amendment application. This would have to be looked at 1<sup>st</sup> on a case by case basis.

s.19(1)



**Lim, Susan**

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**From:** Fettes, Lesley FLNR:EX <Lesley.Fettes@gov.bc.ca>  
**Sent:** October-17-17 9:32 AM  
**To:** Lim, Susan  
**Cc:** Taekema, Bernie John; Tetarenko, Diane FLNR:EX; Johnson, Jim FLNR:EX  
**Subject:** PRT - Incidental use confirmation

Hi Susan,

This email is to confirm that the following three applications are considered incidental use under provincial policy and FLNR will not be reviewing them.

MHC – Larsen Island	259322	143	DFO – Accept FLNRO – n/a TC –	Infrastructure amendment
MHC – Upper Retreat	261820 / 1404379	739	DFO - Accept FLNRO – n/a TC – Accept	Infrastructure – IAU
Marine Harvest Canada	262758/ 1403104	141	DFO - FLNRO – n/a TC – ACCEPT	Infrastructure – IAU Port Elizabeth

Thanks,  
Lesley

Lesley Fettes  
Section Head, Aquaculture  
**Ministry of Forests, Lands, Natural Resource Operations and Rural Development**  
phone: (250) 897-7541

## Parsons, Jay

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**From:** Parsons, Jay  
**Sent:** Monday, November 20, 2017 8:17 AM  
**To:** McPherson, Arran; Moore, Wayne  
**Subject:** RE: Meeting with Marine Harvest Canada on Monday - Update to Scenario Note

Arran: Happy to discuss anytime.

Wayne / Arran: Wayne I think you have summed up the points very well. I would emphasise Wayne's first point about the department being clear on our aquaculture position and management objectives, and in particular communicating how the current body of science has been used to inform the department's position. I would suggest that this is more the issue with all stakeholders than a lack of communication on the science we and others are doing (not that we can't always be doing more).

Jay

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**From:** McPherson, Arran  
**Sent:** Sunday, November 19, 2017 5:00 PM  
**To:** Moore, Wayne  
**Cc:** Parsons, Jay  
**Subject:** Re: Meeting with Marine Harvest Canada on Monday - Update to Scenario Note

Tks. Really appreciate these comments. We shd discuss this week with Jay if you guys have time.

Sent from my BlackBerry 10 smartphone on the Bell network.

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**From:** Moore, Wayne  
**Sent:** Sunday, November 19, 2017 3:30 PM  
**To:** McPherson, Arran  
**Cc:** Parsons, Jay  
**Subject:** RE: Meeting with Marine Harvest Canada on Monday - Update to Scenario Note

So I will pass on point 1 but would offer the following observations on point 2.

1. I think it is important that we be clear that communicating our position on aquaculture and communicating our research results are two different things and need to be clearly distinguished in terms of process.
2. I think we have already done some work on communicating our results from various programs (ACRDP, PARR) through various mechanism (science publications, on-line summaries, videos). I think we have a potential to do more assertive and more accessible outreach on our science projects but you will inevitably get the good with the bad and for every "there is no ISA on the west coast", there will be a "genetic evidence of inter-breeding on the east coast."
3. [REDACTED] there is regular reporting our of this study and we can look at how we give this more reach and impact – again same caveat applies as above. [REDACTED]  
[REDACTED] I think there is a lot of strong evidence on aquaculture effects but I think the only thing worse than a challenging debate about aquaculture is a pair of challenging debates about aqua and muzzling.

Jay – anything to add.

s.21(1)(a)

s.21(1)(b)

**From:** McPherson, Arran  
**Sent:** November 18, 2017 2:20 PM  
**To:** Moore, Wayne <[Wayne.Moore@dfo-mpo.gc.ca](mailto:Wayne.Moore@dfo-mpo.gc.ca)>  
**Subject:** Re: Meeting with Marine Harvest Canada on Monday - Update to Scenario Note

Thanks, I think she'd like any input tomorrow...since the meeting is Monday.

Sent from my BlackBerry 10 smartphone on the Bell network.

**From:** Moore, Wayne  
**Sent:** Friday, November 17, 2017 11:07 PM  
**To:** McPherson, Arran  
**Subject:** Re: Meeting with Marine Harvest Canada on Monday - Update to Scenario Note

Will give it a quick look

Sent from my BlackBerry 10 smartphone on the Rogers network.

**From:** McPherson, Arran  
**Sent:** Friday, November 17, 2017 8:51 PM  
**To:** Moore, Wayne  
**Subject:** Fw: Meeting with Marine Harvest Canada on Monday - Update to Scenario Note

Fyi, pls let me know if you think there is something I should add here (other than the plan to improve communication through...?)

Sent from my BlackBerry 10 smartphone on the Bell network.

**From:** Thomson, Andrew <[Andrew.Thomson@dfo-mpo.gc.ca](mailto:Andrew.Thomson@dfo-mpo.gc.ca)>  
**Sent:** Friday, November 17, 2017 8:44 PM  
**To:** Blewett, Catherine  
**Cc:** Jarjour, Jasmine; McPherson, Arran; Reid, Rebecca; LaRue, Jean-François  
**Subject:** Meeting with Marine Harvest Canada on Monday - Update to Scenario Note

s.19(1)  
s.20(1)(b)  
s.21(1)(a)  
s.21(1)(b)

Catherine

I spoke to [REDACTED] Marine Harvest Canada today regarding your meeting on Monday with him.

The attendees' will be [REDACTED] Marine Harvest Canada and [REDACTED] Cermaq Canada. [REDACTED] the Canadian subsidiaries of their respective companies.

The issues they will raise are

1. They will recommend that DFO participate in the BC lead FN process in the Broughton Archipelago. They believe that the FN's interests on impacts to wild fish can only be addressed by DFO. They were not suggesting Ministerial involvement or for DFO to co-lead so I think their views align with ours in terms of participation. [REDACTED]

2. They will raise the issue that they believe DFO should do a better job of communicating clearly our position on aquaculture and in particular our scientific research on and assessment of the impacts of aquaculture on wild salmon. This has been a long standing request that DFO improve its communication of science as well as making it more understandable for the general public. They have a particular example relating to the Strategic Salmon Health Initiative ( SSHI) that DFO's Dr. Kristi Miller-Saunders is participating in. (SSHI is a multi-party initiative with DFO, the Pacific Salmon Foundation and Genome BC ). They are of the view that Dr. Miller Saunders has data on the health of the wild salmon and the relatively low to very low infection rates in wild salmon of the Piscine Reo-Virus (PRV) that should be made public to allay concerns about the impacts of PRV. I have copied Arran on this in case more context is required.

Today Pacific Region was requested to provide input into a Scenario Note for the Minister to meet on Tuesday with CAIA reps ( including the Marine Harvest and Cermaq representatives) I would expect these same issues will be brought up at that meeting and will have them included in the SN.

**Andrew J L Thomson**

Regional Director | Directeur Régionale  
Fisheries Management Branch | Direction de la gestion des pêches  
Pacific Region | Région du Pacifique  
Fisheries & Oceans Canada | Pêches et Océans Canada  
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Facsimile | Télécopieur 250.666.8069  
Government of Canada | Gouvernement du Canada

**Parsons, Jay**

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**From:** Parsons, Jay  
**Sent:** Thursday, January 11, 2018 2:20 PM  
**To:** Adams, Jennifer  
**Subject:** RE: Aquaculture Issues Management Team Meeting January 15  
**Attachments:** Aquaculture Issues Management List 1 - Jan 15 v1jp.docx

Jen, please see attached a few comments / updates. Jay

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**From:** Adams, Jennifer  
**Sent:** Thursday, January 11, 2018 9:54 AM  
**To:** Campbell, John P.; Fagan, Ashley; Jackson, Corey; LaRue, Jean-François; Lavigne, Lauren; Lowe, Carmel; Moore, Wayne; Nielsen, Ingrid; Parsons, Jay; Smith, Kathleen; Struthers, Alistair; Thomson, Andrew  
**Subject:** Aquaculture Issues Management Team Meeting January 15

Hello Aquaculture Issues Management Team,  
Please let me know if you have issues to add or delete from the draft agenda or any updates to the weekly issues list.  
Due to me be first thing Friday morning so I can send out materials for Monday's meeting.  
Thanks,  
Jen

*Jennifer Adams  
Policy Advisor / Conseiller des politiques  
Aquaculture Management Directorate /  
Direction générale de la gestion de l'aquaculture  
Aquaculture Governance and Sustainability Reporting | Gouvernance de l'aquaculture et rapports sur la durabilité  
Fisheries and Oceans Canada / Pêches et Océans Canada  
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## Aquaculture Issues Management List January 9, 2018

Hot Issues ↑ = Hot topic

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Formatted: English (Canada)

Comment [GJ1]: ??

### ↑ CAIA Submission on Health Canada Fee Increase Proposal for Drugs and Medical Devices

- CAIA provided comment (Jan. 3) to Health Canada's public consultation on veterinary fees under the Food and Drugs Act. CAIA intends to raise their concerns with Minister LeBlanc.
- Veterinary drugs fees were last increased in 1998 and according to Health Canada, the fees do not currently reflect costs of the Department nor align with other countries.
- Industry claims that "Health Canada is contemplating an unparalleled, massive 500% increase in user fees for veterinary drug submissions" which will potentially kill growth opportunities of the aquaculture industry and also claims that Health Canada doesn't fully justify how the proposed fee increases relate to the "private benefits" to industry.
- CAIA proposes that Fisheries and Oceans and Health Canada lobby for sufficient funding to implement a federal minor use minor species (MUMS) program. Until that time, CAIA proposes that VDD should be flexible and waive portions of the application fees for MUMS products.
- DFO has provided a forum in the past for industry, other federal departments and provincial agencies to discuss issues such as MUMs, but DFO has never "lobbied" on industry behalf nor should do so in the future. Any inquiries specific to this fee proposal need to be addressed by Health Canada. It would be inappropriate for DFO to respond to industry on any views outside of its mandate.

## Aquaculture Issues Management List January 9, 2018

### ↑ AAR reporting

- AMD work on -national aquaculture reporting is focused on: a) options for data sets to make public (detailed, site level, aggregated, frequency of drug/pesticide deposits; and b) context to accompany this information for reports from 2017~~6~~ on marine finfish operations.
- Dialogue with industry through CAIA is ongoing, and feedback will help refine materials to be posted on the DFO website.
- The aim is to strike the right balance between information that is useful to a broad audience, while still respecting business confidentiality.
- Pending these consultations, we will be well positioned to publically post AAR results.

### ↑ Aquaculture act engagement

- CCFAM directed SMC last June [REDACTED] for consideration at CCFAM in summer 2018; this work is on track.
- DFO Engagement was placed formally on hold in December based on some concerns. A CCFAM DM teleconference January 8 discussed reinitiating engagement sessions. Provincial DMs requested further discussion take place [REDACTED]
- AMD will soon award a contract to legal experts to review the Canadian aquaculture legislative and regulatory framework by spring 2018 to support the Minister in his decision.

### ↑ Vision 2030

- [REDACTED]
- Provinces want to further discuss next steps at a deputy minister level – within next few weeks.
- [REDACTED]
- AMD is consulting the department on the drafting – a new version will be drafted by January 10<sup>th</sup>.
- A one-day workshop is scheduled with CCFAM-SMC Co-Chair (NB) on January 9.
- The draft long term Framework (2030) was announced by the Minister at a BC Salmon Farmer symposium and the Canadian Aquaculture Industry Alliance Policy Forum.
- Could be formally included in a Ministerial announcement toward the end of January – [REDACTED]

### ↑ Science Panel

- A terms of reference for the panel as well an invitation letter to the Chief Science Advisor have been drafted and sent to the DM and MINO for review. A Ministerial memo is also being prepared.

### ↑ Risk Assessments

- The first (IHN) of the risk assessments was released the week of December 18<sup>th</sup> with an accompanying media technical briefing by the science team.
- Work is well underway on the next series of four risk assessments – on systemic bacterial infections.
- An overall timeline and plans have been discussed with DGs in Ottawa and the RDs in Pacific Region.
- With respect to the PRV risk assessment, there is the need for the completion of on-going research before a robust risk assessment can be started. As such, there is the potential need for additional communications products in the near term.
- [REDACTED] a member of the IHN risk assessment steering committee) and others issued a press release questioning the transparency of

s.14(a)

s.19(1)

s.21(1)(a)

s.21(1)(b)

## Aquaculture Issues Management List January 9, 2018

the process, particularly around the non-disclosure of an inter-company viral management plan MOU.

- DFO Science (and Communications) has prepared in the process of preparing media lines to respond to this concern over lack of transparency.

### ↑ Protests at BC Aquaculture Sites

- There are 23 salmon farms currently operating in the Broughton Archipelago. Of those sites, 20 are located in the claimed traditional territories of First Nations which do not support marine finfish aquaculture (salmon farming).
- Since August 2017, activists (including some First Nations) have conducted protest activities at a number of salmon farms in the Broughton Archipelago operated by Cermaq and Marine Harvest Canada. Demonstrations were also held outside of DFO offices, BC courts and offices of local politicians.
- Protests and site occupations were initially peaceful and caused only minor delays to farm operations. Activities were stepped up in December, when groups entered pens on several sites with divers and kayaks. Several fish were allegedly removed to conduct disease testing.
- On December 22, 2017, injunctions were granted by the BC Supreme Court to Cermaq and Marine Harvest.
- The rulings include an enforcement clause which provides the RCMP with authority to arrest and remove protestors from sites if the injunction is violated.
- Local First Nations have indicated they will continue with protest activities until salmon farms are removed from their claimed territory.

### ↑ Upcoming Tenure Renewals for BC Aquaculture Sites in the Broughton Archipelago

- 20 of the 23 aquaculture tenures in the Broughton area are set to expire in June, 2018. The Province of BC is under significant pressure from local First Nations not to renew the tenure agreements for these salmon farms.
- DFO marine finfish aquaculture licences for these sites are valid until July 2022, while Introductions and Transfers licences are issued on a regular basis to stock fish on farms in the area.
- [REDACTED]
- The Provincial government has initiated a government-to-government process with the Broughton First Nations related to the upcoming tenure decisions and asked Minister LeBlanc to participate on behalf of DFO.
- Regional DFO officials (Andy Thomson, Regional Director, Fisheries Management) are planning to participate on behalf of DFO. The first meeting is tentatively planned for January 30. [REDACTED]

### ↑ Effluent Discharge from BC Processing Plants

- Since the November 2017 release of video footage of blood and other effluent coming from the Brown's Bay Packing processing plant near Campbell River, the issue of effluent treatment and disease transmission has received significant public and media attention.



## Aquaculture Issues Management List January 9, 2018

- In response to a request by provincial officials, DFO Science collected samples during the first week of December to test samples for the presence of diseases and pathogens, including PRV. All samples tested positive for PRV. A Rapid Science Response (RSS) has been completed and provided to the Province of BC. In November, the Province of BC began reviewing the current discharge permit for the Brown's Bay plant and referred a draft of an updated permit to DFO (Aquaculture Management Division, Pacific Region) for comment/input. No comments have been provided to date.
- On December 20, 2017, the Province of BC announced a broader review of the regulations and discharge permitting process related to fish plants and the use of pesticides to treat sea lice.
- The Province is responsible for the licensing of fish processing plants. Federally, ECCC is responsible for administering section 36 of the *Fisheries Act*. However, given DFO's and expertise related to aquaculture, fish health and minimizing impacts to wild salmon, DFO staff are prepared to work with the responsible federal and provincial agencies to support and inform this review by the Province, as appropriate (including coordination with ECCC).

### ↑ Correspondence from Broughton area First Nations

- Since late November 2017, DFO and the Province of BC have received several letters from legal counsel for the 'Namgis and Dzawada'enuxw First Nations stating their opposition to aquaculture activities in the Broughton Archipelago.
- The letters highlight the need for the federal and provincial government to consult on continued aquaculture activities in the Broughton in general, and specifically, on individual introductions and transfers licences related to sites in their Territory.
- A response drafted on behalf of Minister LeBlanc has been drafted [REDACTED]
- [REDACTED]

### ↑ Independent Review of the DFO Fish Health Audit and Surveillance Program

- In Spring 2017, DFO Pacific Region initiated an independent review/evaluation of the Fish Health Audit and Surveillance Program (FHASP).
- This review is now complete and the high level recommendations outlined in the report are as follows:
  - Identify clear program goals and objectives
  - Establish more robust data management systems and analytical capacity
  - Improve timeliness and customization of public reporting and data sharing
  - Optimize utilization and analysis of surveillance data collected
- Along with the results of other ongoing reviews (e.g., MAACFA, CESD audit), these recommendations will guide further refinements/improvements to the FHASP, beginning with the clearer articulation of Program goals and objectives, as well as potential changes to the structure/design of the Program.
- Proposed next steps on the FHASP review are as follows:
  - Development of media lines explaining the results of the technical evaluation of the FHASP
  - Share the report with the experts interviewed in the technical review and then with First Nations, BC, industry, and others through existing aquaculture advisory bodies.

## **Aquaculture Issues Management List**

### **January 9, 2018**

#### **↑ Cooke Site 1358 Jordan Bay**

- The severe storm on January 4<sup>th</sup> caused damage to Cooke Aquaculture's site in Jordan Bay NS with debris washing up on shore around the area.
- Regional management spoke with several concerned citizens and fishers on January 5 and made them aware of the process for reporting.
- The company has indicated that they do not suspect any loss of fish based on preliminary assessments and provincial counterparts have provided DFO officials the same assessment.
- The incident has been reported to the NS Department of Environment which has the lead in responding. Staff from NS DoE and NS Department of Fisheries and Aquaculture were undertaking a January 8, weather permitting. DFO has offered assistance if needed.

#### **↑ BC – Ministerial Advisory Committee on Fisheries and Aquaculture (MAACFA)**

- In July, 2015, the Province announced that it would examine the rules and restrictions that guide the application and approval process to ensure that aquaculture operations are socially and ecologically sustainable and can co-exist with British Columbia's wild fishery resource.
- Members are from the aquaculture industry, non-governmental organizations and First Nations, as well as the Ministry of Agriculture and the Ministry of Forest, Lands and Natural Resource Operations.
- The Committee is examining establishing a protocol for receiving advice from the Aquaculture Stewardship Council in regard to tenures for new aquaculture sites and the feasibility of improved microbe detection at aquaculture sites arising from the work being undertaken by Genome BC in tandem with the other scientific evidence already available to the Province.
- While these actions are being undertaken, the Province will not consider any further approvals for new salmon aquaculture tenures.
- The Committee's report is expected by the end of January, 2018. DFO expects to receive an advance copy of the report and its recommendations.

## **On-going Management Issue Update**

#### **FACTAP**

- Announced Dec. 18, but regional offices ~~had~~ have been holding discussions with select (i.e., high likelihood of success) candidates prior to this to gauge interest.
- All regional positions have been filled, either permanently, or temporarily (through regional aquaculture coordinators).
- \$750k available for distribution this FY. Regions have identified approximately \$600 - 650k worth of projects and are actively soliciting more.
- The selection process will be a little different and streamlined this FY, due to the late announcement date. Regional review committees will review proposals immediately as they come in (vs. usual operation of every 3 weeks). Proposals will be funded 'first through the gate' for this FY only.

## **Aquaculture Issues Management List January 9, 2018**

### PARR Annual Meeting

- The annual science meeting to review progress on science projects from previous years and to begin planning for the coming year is scheduled for January 30-31, 2018 in Ottawa.
- It would be useful to share management priorities in the run-up to the meeting so that we can begin the process of determining how we might meet them.

### ACRDP

Call for ACRDP Project proposals will be launched shortly has been launched for 2018-19 industry-driven projects. The deadline for submission of applications is February 1, 2018.

## Burgetz, Ingrid

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**From:** Parsons, Jay  
**Sent:** January-23-18 2:02 PM  
**To:** Thorleifson, Erika  
**Cc:** Burgetz, Ingrid  
**Subject:** FW: Aquaculture Issues Management List  
**Attachments:** Aquaculture Issues Management - Jan 23.docx

fyi

**From:** Adams, Jennifer  
**Sent:** Tuesday, January 23, 2018 1:50 PM  
**To:** Campbell, John P.; Fagan, Ashley; Jackson, Corey; Jenkins, Phil; LaRue, Jean-François; Lavigne, Lauren; Lowe, Carmel; Moore, Wayne; Nielsen, Ingrid; Parsons, Jay; Smith, Kathleen; Struthers, Alistair; Taylor, Nathan; Thomson, Andrew  
**Subject:** FW: Aquaculture Issues Management List

Hello Aquaculture Issues Management Team,  
Here is this week's edition of the list as it has come together.

Changes, include the following:

- A shortening of the number of hot topics (just over 2 pages now)
- Changes highlighted
- Most files with no movement have been moved to the "On-going" section

Please provide your updates and any additional agenda items by Friday morning first thing. A revised list and agenda will be circulated for discussion Monday.

Jen

*Jennifer Adams  
Policy Advisor / Conseiller des politiques  
Aquaculture Management Directorate /  
Direction générale de la gestion de l'aquaculture  
Aquaculture Governance and Sustainability Reporting | Gouvernance de l'aquaculture et rapports sur la durabilité  
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## Aquaculture Issues Management List

### January 23, 2018

Hot Issues ↑ = Hot topic

#### ↑ Rapid Science Response - aquaculture fish processing effluent testing

- The Province of BC has confirmed with media (CTV) that samples taken from the Browns Bay Packing (Campbell River) and Lions Gate Fisheries (Tofino) facilities have shown the presence of PRV. This is based on testing conducted by DFO Science (via Rapid Science Response).
- We understand the Province does not intend to formally announce the results of testing (e.g. through press release) but, if pressed, may consider it.
- Reactive media lines have been developed.
- Given the prevalence of PRV in farmed (and wild) populations and presence of the virus in blood, it was expected that blood effluent from processing plants would contain PRV. However, this is likely to generate further public/media/stakeholder interest in this issue, including among First Nations and ENGOS.

#### ↑ [Protected – Solicitor-Client privilege]

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#### ↑ Aquaculture act engagement

- CCFAM directed SMC last June [REDACTED] for consideration at CCFAM in summer 2018; this work is on track.
- AMD will soon award a contract to legal experts to review the Canadian aquaculture legislative and regulatory framework by spring 2018 to support the Minister in his decision.

#### ↑ Vision 2030

- Provinces, are supportive of developing the long term vision within the CCFAM process.
- A new Vision doc will serve as a next generation of the ADS and will possibly be announced by Ministers at the Boston Seafood show in March 2018.

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s.21(1)(b)

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## Aquaculture Issues Management List

### January 23, 2018

- Provincial ministers have drafted a letter recommending the vision be referred to the SMC.

#### ↑ CESD Salmon Aquaculture Audit

- CESD Spring 2018 report includes chapter on aquaculture
- Expected to be tabled sometime in March
- Department is currently drafting response to findings/recommendations
- Science Comms is leading (Anita Szerze)
- Departmental responses are with DM as of January 22.

#### ↑ Upcoming Tenure Renewals for BC Aquaculture Sites and Province of BC "government-to-government" process in the Broughton Archipelago

- 20 of the 23 aquaculture tenures in the Broughton area are set to expire in June, 2018. The Province of BC is under significant pressure from local First Nations not to renew the tenure agreements for these salmon farms.
- DFO marine finfish aquaculture licences for these sites are valid until July 2022, while Introductions and Transfers licences are issued on a regular basis to stock fish on farms in the area.
- [REDACTED]
- The Provincial government has initiated a government-to-government process with the Broughton First Nations related to the upcoming tenure decisions and asked Minister LeBlanc to participate on behalf of DFO.
- The Province of BC is working to finalize the attendance list, agenda and other materials for the meeting. [REDACTED] (Four Directions Management Services) will be facilitating. At least two Provincial Ministers will be in attendance.
- The first meeting is planned for January 30 in Vancouver. Andy Thomson, Regional Director, Fisheries Management (Pacific) will be participating for DFO.

#### ↑ BC – Ministerial Advisory Committee on Fisheries and Aquaculture (MAACFA)

- In July, 2015, the Province announced that it would examine the rules and restrictions that guide the application and approval process to ensure that aquaculture operations are socially and ecologically sustainable and can co-exist with British Columbia's wild fishery resource.
- Members are from the aquaculture industry, non-governmental organizations and First Nations, as well as the Ministry of Agriculture and the Ministry of Forest, Lands and Natural Resource Operations.
- The Committee is examining establishing a protocol for receiving advice from the Aquaculture Stewardship Council in regard to tenures for new aquaculture sites and the feasibility of improved microbe detection at aquaculture sites arising from the work being undertaken by Genome BC in tandem with the other scientific evidence already available to the Province.
- While these actions are being undertaken, the Province will not consider any further approvals for new salmon aquaculture tenures.
- The main body of the final report (including recommendations) is now complete and will be provided to the BC Minister of Agriculture for review prior to the January 31 deadline. The Committee is also working to finalize an appendix (~100 pages) which may not be complete until mid-February.

s.14(a)

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s.21(1)(b)



## Aquaculture Issues Management List

### January 23, 2018

- The recommendations will cover a range of topics with direct and indirect implications for DFO, including science and research, engagement with First Nations, application of the precautionary approach, further exploration of land-based closed containment and others.
- DFO will receive a copy of the final report submitted to the BC Minister of Agriculture. The report will not be formally shared with the public until the Provincial government has reviewed the recommendations (likely in mid-late February). However, there is a chance it will be circulated by committee members in advance.
- DFO will be reviewing the report in detail and developing media lines (early February), as well as recommendations regarding a response to the DM/Minister in the coming weeks.
- The Committee's report is expected by the end of January, early February 2018. DFO expects to receive an advance copy of the report and its recommendations.

#### ↑ Science Panel

- A terms of reference for the panel as well as a list have been drafted and sent to the DM and MINO for review. Options for a possible announcement are included in a Ministerial memo currently moving through approvals.

## On-going Management Issue Update

### CAIA Submission on Health Canada Fee Increase Proposal for Drugs and Medical Devices

- CAIA provided comment (Jan. 3) to Health Canada's public consultation on veterinary fees under the Food and Drugs Act. CAIA intends to raise their concerns with Minister LeBlanc.
- Veterinary drugs fees were last increased in 1998 and according to Health Canada, the fees do not currently reflect costs of the Department nor align with other countries.
- Industry claims that "Health Canada is contemplating an unparalleled, massive 500% increase" in fees, which will potentially kill growth opportunities. Further, they claim that Health Canada doesn't fully justify how the proposed fee increases relate to the "private benefits" to industry.
- CAIA proposes that Fisheries and Oceans and Health Canada lobby for sufficient funding to implement a federal minor use minor species (MUMS) program. Until that time, CAIA proposes that VDD should be flexible and waive portions of the application fees for MUMS products.
- DFO has provided a forum in the past for industry, other federal departments and provincial agencies to discuss issues such as MUMS, but DFO has never "lobbied" on industry behalf nor should do so in the future. Any inquiries specific to this fee proposal need to be addressed by Health Canada.

### Grieg Newfoundland Environmental Assessment

- In July 2016 Newfoundland Minister of Municipal Affairs and Environment initially released the Grieg project from further environmental assessment (EA). The Atlantic Salmon Federation successfully appealed, compelling the Minister to require an Environmental Impact Statement (EIS) by the proponent.
- The EIS process has been undertaken by the Province for the proposed Grieg Placentia Bay Atlantic Salmon Aquaculture Project, and the Environmental Assessment (EA) Committee, of which DFO-NL is a member, has produced a draft of the EIS Guidelines that outline information requirements of the proponent.

## Aquaculture Issues Management List

January 23, 2018

- These guidelines were posted online on January 2, 2018 for a 40-day comment period, and will be provided to the proponent on March 8, 2018.
- [REDACTED] DFO is looking into a possible additional DFO representative from Fisheries Management to the panel.
- The legal decision requiring conducting of an EA is currently being appealed by the Province of Newfoundland and the proponent. Arguments were heard on December 14 and 15, 2017.
- Due to the success of the initial appeal by the ASF and public concerns surrounding the project, this public process will reinvigorate opposition to the project, some of which will be directed at the Department due to its mandate.

### New research links PRV with jaundice disease in farmed and cultured salmon in British Columbia.

- In 2017, the Salmon Strategic Health Initiative (SSHI) team (co-funded by DFO and led co-led by Dr. Kristi Miller Saunders) published a paper documenting for the first time the presence of Heart and Skeletal Muscle (HSMI) disease in farmed Atlantic salmon in Canada, as well as a correlation between the prevalence of Piscine Orthoreovirus (PRV) and the occurrence and severity of the observed HSMI lesions. Although PRV is endemic in most species of salmon and in many parts of the world, this was the time it was directly correlated with HSMI in Canada.
- This initial diagnosis of HSMI generated significant attention in the media and the public, much of which focussed on the risks of HSMI transfer from farm to wild salmon populations as well as on government authorization of fish transfers without prior testing for PRV (the latter is also subject of a current Morton versus DFO litigation appeal).
- Now, the SSHI team has completed new research that shows PRV may also play a co-infection role in the manifestation of jaundice in Pacific salmon, specifically wild and cultured Chinook Salmon. Although the impacts of jaundice on wild fish are not well understood, it is known to cause discoloration of the skin and low levels of mortality (<1.5% per production cycle) in cultured fish.
- The research findings are expected to be submitted for publication in an international peer-reviewed journal within the next month. If accepted, renewed media and public attention can be expected. These latest research findings have already been shared with Aquaculture Management and with the Canadian Food Inspection Agency (who has the role of enforcing food safety legislation) and both organizations have committed to work together on developing media lines.

s.21(1)(a)

s.21(1)(b)

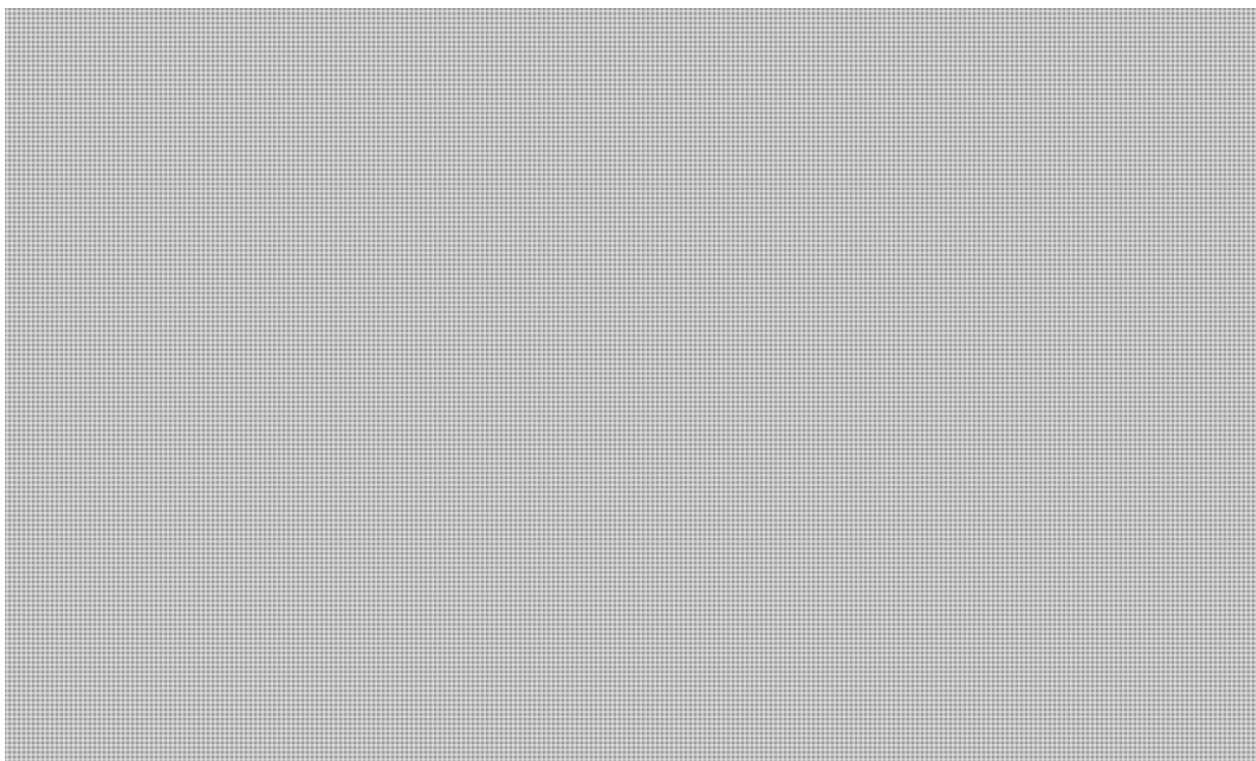


## **Aquaculture Issues Management List**

**January 23, 2018**

### Protests at BC Aquaculture Sites

- There are 23 salmon farms currently operating in the Broughton Archipelago. Of those sites, 20 are located in the claimed traditional territories of First Nations which do not support marine finfish aquaculture (salmon farming).
- Since August 2017, activists (including some First Nations) have conducted protest activities at a number of salmon farms in the Broughton Archipelago operated by Cermaq and Marine Harvest Canada. Demonstrations were also held outside of DFO offices, BC courts and offices of local politicians.
- Protests and site occupations were initially peaceful and caused only minor delays to farm operations. Activities were stepped up in December, when groups entered pens on several sites with divers and kayaks. Several fish were allegedly removed to conduct disease testing.
- On December 22, 2017, injunctions were granted by the BC Supreme Court to Cermaq and Marine Harvest.
- The rulings include an enforcement clause which provides the RCMP with authority to arrest and remove protestors from sites if the injunction is violated.
- Local First Nations have indicated they will continue with protest activities until salmon farms are removed from their claimed territory.
- Protesters locked to doors of DFO Saanich field station January 18 in what is seen as an isolated incident that is part of the larger trend.



s.15(1)

## **Aquaculture Issues Management List**

**January 23, 2018**

### Independent Review of the DFO Fish Health Audit and Surveillance Program

- In Spring 2017, DFO Pacific Region initiated an independent review/evaluation of the Fish Health Audit and Surveillance Program (FHASP).
- This review is now complete and the high level recommendations outlined in the report are as follows:
  - Identify clear program goals and objectives
  - Establish more robust data management systems and analytical capacity
  - Improve timeliness and customization of public reporting and data sharing
  - Optimize utilization and analysis of surveillance data collected
- Along with the results of other ongoing reviews (e.g. MAACFA, CESD audit), these recommendations will guide further refinements/improvements to the FHASP, beginning with the clearer articulation of Program goals and objectives, as well as potential changes to the structure/design of the Program.
- Proposed next steps on the FHASP review are as follows:
  - Development of media lines explaining the results of the technical evaluation of the FHASP
  - Share the report with the experts interviewed in the technical review and then with First Nations, BC, industry, and others through existing aquaculture advisory bodies.

### Risk Assessments

- The first (IHNV) of the risk assessments was released the week of December 18<sup>th</sup> with an accompanying media technical briefing by the science team.
- Work is well underway on the next series of four risk assessments – on systemic bacterial infections.
- An overall timeline and plans have been discussed with DGs in Ottawa and the RDs in Pacific Region.
- With respect to the PRV risk assessment, there is the need for the completion of on-going research before a robust risk assessment can be started. As such, there is the potential need for additional communications products in the near term.
- [REDACTED] a member of the IHNV risk assessment steering committee) and others issued a press release questioning the transparency of the process, particularly around the non-disclosure of an inter-company viral management plan MOU.
- DFO Science (and Communications) has prepared media lines to respond to this concern over lack of transparency.

### Cooke Site 1358 Jordan Bay

- The severe storm on January 4<sup>th</sup> caused damage to Cooke Aquaculture's site in Jordan Bay NS with debris washing up on shore around the area.
- Regional management spoke with several concerned citizens and fishers on January 5 and made them aware of the process for reporting.
- The company has indicated that they do not suspect any loss of fish based on preliminary assessments and provincial counterparts have provided DFO officials the same assessment.
- The incident has been reported to the NS Department of Environment which has the lead in responding. Staff from NS DoE and NS Department of Fisheries and Aquaculture were undertaking a January 8, weather permitting. DFO has offered assistance if needed.

s.19(1)

## Aquaculture Issues Management List

January 23, 2018

### Effluent Discharge from BC Processing Plants

- Since the November 2017 release of video footage of blood and other effluent coming from the Brown's Bay Packing processing plant near Campbell River, the issue of effluent treatment and disease transmission has received significant public and media attention.
- In response to a request by provincial officials, DFO Science collected samples during the first week of December to test samples for the presence of pathogens, including PRV. All samples tested positive for PRV. A Rapid Science Response (RSS) has been completed and provided to the Province of BC. In November, the Province of BC began reviewing the current discharge permit for the Brown's Bay plant and referred a draft of an updated permit to DFO (Aquaculture Management Division, Pacific Region) for comment/input. No comments have been provided to date.
- On December 20, 2017, the Province of BC announced a broader review of the regulations and discharge permitting process related to fish plants and the use of pesticides to treat sea lice.
- The Province is responsible for the licensing of fish processing plants. Federally, ECCC is responsible for administering section 36 of the *Fisheries Act*. However, given DFO's and expertise related to aquaculture, fish health and minimizing impacts to wild salmon, DFO staff are prepared to work with the responsible federal and provincial agencies to support and inform this review by the Province, as appropriate (including coordination with ECCC).

### Correspondence from Broughton area First Nations

- Since late November 2017, DFO and the Province of BC have received several letters from legal counsel for the 'Namgis and Dzawada'enuxw First Nations stating their opposition to aquaculture activities in the Broughton Archipelago.
- The letters highlight the need for the federal and provincial government to consult on continued aquaculture activities in the Broughton in general, and specifically, on individual introductions and transfers licences related to sites in their Territory.
- A response drafted on behalf of Minister LeBlanc has been drafted [REDACTED]

- [REDACTED]

### AAR reporting

- AMD work on national aquaculture reporting is focused on: a) options for data sets to make public (detailed, site level, aggregated, frequency of drug/pesticide deposits; and b) context to accompany this information for reports from 2016 on marine finfish operations.
- Dialogue with industry through CAIA is ongoing, and feedback will help refine materials to be posted on the DFO website.
- The aim is to strike the right balance between information that is useful to a broad audience, while still respecting business confidentiality.
- Pending these consultations, we will be well positioned to publically post AAR results.

### FACTAP

- Announced Dec. 18, but regional offices have been holding discussions with select (i.e., high likelihood of success) candidates prior to this to gauge interest.

s.21(1)(a)

s.21(1)(b)

s.23

## **Aquaculture Issues Management List**

**January 23, 2018**

- \$750k available for distribution this FY. Regions have identified approximately \$872k worth of projects and are actively being encouraged to develop and finalize contribution agreements for these. Requirements for excess funds will be dealt with through multi-year agreements.
- The selection process will be a little different and streamlined this FY, due to the late announcement date. Regional review committees will review proposals immediately as they come in (vs. usual operation of every 3 weeks). Proposals will be funded 'first through the gate' for this FY only.

### PARR Annual Meeting

- The annual science meeting to review progress on science projects from previous years and to begin planning for the coming year is scheduled for January 30-31, 2018 in Ottawa.
- It would be useful to share management priorities in the run-up to the meeting so that we can begin the process of determining how we might meet them.

### ACRDP

- Call for ACRDP Project proposals has been launched for 2018-19 industry-driven projects. The deadline for submission of applications is February 1, 2018.

## Taekema, Bernie John

---

**From:** Mayser, Rudi E FLNR:EX <Rudi.Mayser@gov.bc.ca>  
**Sent:** January-31-18 9:13 AM  
**To:** Johnson, Jim FLNR:EX  
**Cc:** Taekema, Bernie John; Johansson, Todd  
**Subject:** FW: FYI - fish farms media statement

FYI

**From:** Hadway, Sharon L FLNR:EX  
**Sent:** Wednesday, January 31, 2018 9:09 AM  
**To:** Mayser, Rudi E FLNR:EX; Gage, Greg P FLNR:EX; Fettes, Lesley FLNR:EX  
**Subject:** FW: FYI - fish farms media statement

fyi

---

### Sharon Hadway

Regional Executive Director | **West Coast Region**  
Ministry of Forests, Lands, Natural Resource Operations  
and Rural Development  
2100 Labieux Road  
Nanaimo, BC., V9T-6E9  
Phone: 250.751-7161 | Fax: 250.751-7196  
Mailto:Sharon.Hadway@gov.bc.ca

**From:** Sutherland, Craig FLNR:EX  
**Sent:** Wednesday, January 31, 2018 9:06 AM  
**To:** Hadway, Sharon L FLNR:EX; Johnsrude, Allan N FLNR:EX  
**Cc:** Sheldrake, Jeff FLNR:EX  
**Subject:** FW: FYI - fish farms media statement

FYI

**From:** Thomas, Vivian P GCPE:EX  
**Sent:** Wednesday, January 31, 2018 9:02 AM  
**To:** Sutherland, Craig FLNR:EX; Short, Charles J FLNR:EX  
**Subject:** FYI - fish farms media statement

This is what was sent to media last night.

The following statement has been issued jointly by Minister of Forests, Lands, Natural Resources Operations and Rural Development Doug Donaldson, Minister of Agriculture Lana Popham, Minister of Indigenous Relations and Reconciliation Scott Fraser, Minister of Environment and Climate Change Strategy George Heyman, and the Mamalilikulla First Nation, 'Namgis First Nation, Dzawada'enuxw First Nation and Kwikwasut'inuxw Haxwa'mis First Nations:

**Page 240**

**is withheld pursuant to section  
est retenue en vertu de l'article**

**68(a)**

**of the Access to Information Act  
de la Loi sur l'accès à l'information**

**Lim, Susan**

---

**From:** Johnson, Jim FLNR:EX <Jim.Johnson@gov.bc.ca>  
**Sent:** February-15-18 2:19 PM  
**To:** Lim, Susan  
**Subject:** FW: Broughton Amendment Files

Hi Susan,

See below for the list of files that will likely be headed your way shortly. As I mentioned, Bernie was most interested in Grieg's Noo-la IAU application. I'll touch base with you after I've chatted with Diane T.

-Jim

---

**From:** Johnson, Jim FLNR:EX  
**Sent:** Thursday, February 15, 2018 9:11 AM  
**To:** Tetarenko, Diane FLNR:EX  
**Subject:** Broughton Amendment Files

Hi Diane,

Here is the list of Broughton replacement applications that are also requesting amendments or incidental use. Let me know if/when you are free today and we can discuss how to proceed with collecting additional fees and sending to PRT.

Amendments

1. 1409707 Marine Harvest, Humphry Rock, increase in tenure boundary to facilitate anchoring.
2. 1405180 Marine Harvest, Glacier Falls, increase in tenure boundary to facilitate anchoring.
3. 1403328 Marine Harvest, Sargeaunt's Passage increase in tenure boundary to facilitate anchoring.

IAU

1. 1411154 Grieg, Noo-la, Change in cage array configuration (<30%).
2. 1407730 Cermaq, Simmonds, Change in cage array configuration (<30%).
3. 1407731 Cermaq, Wehlis, Change in cage array configuration (<30%).
4. 1405381 Cermaq, Cypress, change in ancillary structures (<30%)

Jim Johnson  
Senior Land Officer (Aquaculture)  
Ministry of Forests, Lands, Natural Resource Operations and Rural Development  
(250) 751 7020

**Lim, Susan**

---

**From:** Kitchen, Jane FLNR:EX <Jane.Kitchen@gov.bc.ca>  
**Sent:** February-19-18 10:28 AM  
**To:** Lim, Susan  
**Subject:** FW: Marine Harvest Admendment applications  
**Attachments:** 2018-01-21 Amend Appl\_1409707.pdf; 2018-02-06 KMZ 1409707.kmz; 2018-02-02  
Amendment\_Application\_1405180.pdf; 2018-02-01 KMZ 1405180.kmz; 2018-01-31  
Amend Appl 1403328.pdf; 2018-02-07 KMZ 1403328.kmz

---

**From:** Kitchen, Jane FLNR:EX  
**Sent:** Monday, February 19, 2018 9:33 AM  
**To:** 'berniejohn.taekema@dfo-mpo.gc.ca'; Fettes, Lesley FLNR:EX; John Mackie; Johnson, Jim FLNR:EX;  
'Nicole.Backe@dfo-mpo.gc.ca'; AMDReferral  
**Subject:** Marine Harvest Admendment applications

For your review,

3 Amendments

1. 1409707 Marine Harvest, Humphry Rock, increase in tenure boundary to facilitate anchoring.
2. 1405180 Marine Harvest, Glacier Falls, increase in tenure boundary to facilitate anchoring.
3. 1403328 Marine Harvest, Sargeant's Passage increase in tenure boundary to facilitate anchoring.



*Jane Kitchen, CSP*

Client Service Assistant

FrontCounter BC | Ministry of Forests, Lands, Natural Resource Operations & Rural

Development

2080 Labieux Road

Nanaimo, BC V9T 6J9

Tel: 250-751-7242 | Fax: 250-751-7224

FrontCounter BC Website | Toll-Free Contact Centre: 1-877-855-3222

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# ***Humphrey Rock*** LF#1409707

## **Pacific Marine Finfish Aquaculture Amendment Application**

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**Submitted to:**

**Front Counter BC**

**2080a Labieux Road**

**Nanaimo, BC**

**V9T 6J9**

**Submitted by:**

**Marine Harvest Canada**

**Suite #124-1334 Island Highway**

**Campbell River, BC**

**V9W 8C9**

***January 24, 2018***

MARINE HARVEST 250



FrontCounter BC  
2080a Labieux Road,  
Nanaimo, B.C.  
V9T 6J9

January 24, 2018.

To whom it may concern,

**RE: REQUEST FOR TENURE REPLACEMENT AT HUMPHREY ROCK LF#1409707**

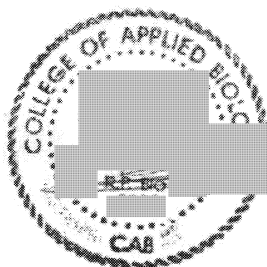
The Marine Harvest Canada Inc. (MHC) Humphrey Rock aquaculture tenure expires on June 20, 2018. At the request of the Ministry of Forests, Lands, Natural Resource Operations and Rural Development a Pacific Marine Finfish Aquaculture Amendment Application is attached detailing the tenure and on site improvements.

Please note that MHC is applying to increase the tenure boundary at Humphrey Rock. As per site engineering the system requires adequate anchor line scope to ensure site safety and security.

No changes to site infrastructure, species, or production is included in this application.

Please accept the enclosed information as our intention to initiate replacement of the Humphrey Rock aquaculture tenure.

Sincerely,



[Redacted]  
Marine Harvest Canada  
Campbell River, BC  
Tel: (250) 850-3276 ext [Redacted]  
Cell: [Redacted]

Fax: (250) 850-3275  
[www.marineharvestcanada.com](http://www.marineharvestcanada.com)

s.19(1)



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FOR INTERNAL USE	
File Number:	Project Number:
Disposition Number:	Client Number:

## PACIFIC MARINE FINFISH AQUACULTURE AMENDMENT

### APPLICATION

MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS  
FISHERIES AND OCEANS CANADA  
TRANSPORT CANADA

Prior to completing this application refer to the approved **Federal Aquaculture Licence and Provincial Site Management plans** for details on currently approved activities at the site. If you require a copy, please contact FLNRO at [WestCoast.LandReferrals@gov.bc.ca](mailto:WestCoast.LandReferrals@gov.bc.ca)

## PART I – GENERAL INFORMATION

**?** Any time you see this symbol, hold mouse pointer over top and additional information will appear.

For each question, select only one check box or circle unless otherwise directed.

### PART I - SECTION A1: AMENDMENT SUMMARY

Provide a general overview of the proposed amendment:



RE: REQUEST FOR TENURE REPLACEMENT AT HUMPHREY ROCK LF#1409707

The Marine Harvest Canada Inc. (MHC) Humphrey Rock aquaculture tenure expires on June 20, 2018. At the request of the Ministry of Forests, Lands, Natural Resource Operations and Rural Development a Pacific Marine Finfish Aquaculture Amendment Application is attached detailing the tenure and on site improvements.

Please note that MHC is applying to increase the tenure boundary at Humphrey Rock. As per site engineering the system requires adequate anchor line scope to ensure site safety and security.

No changes to site infrastructure, species, or production is included in this application.

Please accept the enclosed information as our intention to initiate replacement of the Humphrey Rock aquaculture tenure.



Additional Pages or Supporting Material Attached:

☒ Yes

☐ No



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**PART I – SECTION A2: AMENDMENT TYPE (CHECK ALL THAT APPLY)**

<input checked="" type="checkbox"/> <b>Tenure Area Change</b>	
<input checked="" type="checkbox"/> Expansion  <input type="checkbox"/> Reduction	Complete the following: PART I PART II PART III: Section C PART IV PART V
<input type="checkbox"/> <b>Infrastructure</b>	
<input type="checkbox"/> Addition of <u>Infrastructure</u>  <input type="checkbox"/> Change meets conditions of "Incidental Aquaculture Use" (IAU)	Complete the following: PART I PART II: complete only if does not meet IAU PART III: Sections B (if applicable), C & D PART IV PART V
<input type="checkbox"/> Removal	Complete the following: PART I PART III PART V
<input type="checkbox"/> <b>Species and/or Production</b>	
<input type="checkbox"/> Addition of Species  <input type="checkbox"/> Change in Production  <input type="checkbox"/> Removal	Complete the following: PART I: Sections A, B & C PART III : Sections A, C & D PART V



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**PART I - SECTION B1: FEDERAL APPROVAL APPLICANT INFORMATION**



☒ CHECK THIS BOX IF SAME APPLICANT INFORMATION WILL BE USED FOR PROVINCIAL APPROVAL

<b>1. Applicant Type (complete only one type):</b>		
<input checked="" type="checkbox"/> Registered Business	Registered Business Name: Marine Harvest Canada	
	BC Inc. #, BC Registration # or BC Society #: BC0812200	
<input type="checkbox"/> Individual(s)		
First:	Middle:	Last:
<b>2. Applicant Mailing Address:</b>		Telephone: (250) 850-3276
Suite 124-1334 Island Highway		Cell: [REDACTED]
Campbell River, B.C.		Fax: (250) 850-3275
V9W 8C9		Email: [REDACTED]
Canada		
<b>3. Physical Business Address:</b>		
<input checked="" type="checkbox"/> Same as above		
<b>4. Primary Contact Mailing Address:</b>		<input checked="" type="checkbox"/> Same as above
		Name: [REDACTED]
		Telephone: (250) 850-3276
		Cell: [REDACTED]
		Fax: (250) 850-3275
		Email: [REDACTED]
<b>5. Agent/Representative Mailing Address:</b>		Letter of Authorization Enclosed: <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
		Name:
		Telephone:
		Cell:
		Fax:
		Email:



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## PART I – SECTION B2: PROVINCIAL APPROVAL APPLICANT INFORMATION

(COMPLETE SECTION B2 ONLY IF APPLICANT INFORMATION IS DIFFERENT THAN SECTION

<b>1. Applicant Type (complete only one type):</b>		
<input type="checkbox"/> Registered Business	<b>Registered Business Name:</b>	
	<b>Business Number:</b>	
<input type="checkbox"/> Individual(s)		
<b>First:</b>	<b>Middle:</b>	<b>Last:</b>
<b>2. Applicant Mailing Address:</b>		<b>Telephone:</b>
		<b>Cell:</b>
		<b>Fax:</b>
		<b>Email:</b>
<b>3. Physical Business Address:</b>		
<input type="checkbox"/> Same as above		
<b>4. Primary Contact Mailing Address:</b>	<input type="checkbox"/> Same as above	
	<b>Name:</b>	
	<b>Telephone:</b>	
	<b>Cell:</b>	
	<b>Fax:</b>	
	<b>Email:</b>	
<b>5. Agent/Representative Mailing Address:</b>	Letter of Authorization Enclosed: <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	
	<b>Name:</b>	
	<b>Telephone:</b>	
	<b>Cell:</b>	
	<b>Fax:</b>	
	<b>Email:</b>	



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## PART I – SECTION C: SITE GENERAL INFORMATION

1. DFO Facility Reference Number: 1618	
2. Land File Number: 1409707	
3. Navigation Protection Program Number: 8200-01-8486	
4. Site Common Name: Humphrey Rock	
5. Pacific Fishery Management Area (PFMA): 12	Sub Area: 35

## PART I - SECTION D: LICENSED AREA CHANGE



1. Land Ownership and/or Tenure Type:			
<input checked="" type="checkbox"/> Provincial Crown Land (If Crown land: <input type="radio"/> Lease <input checked="" type="radio"/> Licence of Occupation <input type="radio"/> Investigative Use Licence)			
<input type="checkbox"/> Federal Land			
<input type="checkbox"/> Private Land			
<input type="checkbox"/> Harbour Authority			
<input type="checkbox"/> First Nation Reserve			
<input type="checkbox"/> Other (describe):			
2. GPS coordinates for the center of the application area / tenure (Report in Degree Decimal Minutes):		Latitude (DD DD.ddddd): 50 41.797	
		Longitude (DD DD.ddddd): 126 15.335	
3. Estimated Application Area	CURRENTLY LICENSED (hectares)	PROPOSED CHANGE (hectares) <input checked="" type="checkbox"/> Add <input type="checkbox"/> Remove	PROPOSED CUMULATIVE TOTAL (hectares)
Intensive Use Area of Site	12	0	12
Extensive Use Area of Site	22	18	40
Estimated Total Area of Site	34	18	52



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## PART I - SECTION E: MAPS, DIAGRAMS AND ADDITIONAL REQUIRED DOCUMENTS

Check each box to confirm attached	Attach the following maps, diagrams and documents in Adobe format (.pdf). They must be submitted with a title, to scale and be consistent with the other information in this application. Please refer to the Mapping Descriptions and Sample Mapping located in the Guide to Pacific Marine Finfish Aquaculture. All maps should be provided using <b>CHS Marine Charts</b> unless specified otherwise.
<input checked="" type="checkbox"/>	1. <b>General Location Map:</b> A 1:50,000 to 1:100,000 indicating the general location of area under application, noting the location of significant geographic features, such as a lake, mountain, road, community, etc.
<input checked="" type="checkbox"/>	2. <b>Detailed Location Map:</b> A map with a scale between 1:20,000 and 1:40,000, showing the detailed location of the area under application.
<input checked="" type="checkbox"/>	3. <b>Application Area Map (submit one of the following):</b> (a) <b>Shape file:</b> Attach a shapefile or ".kmz" file, geo-referenced to BC Albers projection (NAD 83), including a reference map with a Point of Commencement (POC) ; <b>OR</b> (b) <b>Metes &amp; Bounds:</b> A <b>topographic map</b> showing a UTM/latitude and longitude of POC and a corresponding text description on a separate piece of paper that describes the metes & bounds of the proposed shape.
<input checked="" type="checkbox"/>	4. <b>Top View Operational Diagram(s):</b> (a) A 1:5000 scale site plan showing proposed change(s) to existing tenure boundaries and: (i) <u>new containment array</u> . If several arrays are proposed, provide one site plan per array; <b>AND/OR</b> (ii) any proposed changes to <u>existing containment array(s)</u> . If changes are proposed to several containment arrays, provide one site plan per array; <b>AND</b> (b) A single 1:5000 scale site plan showing currently licenced containment array(s) and all proposed additions and/or changes as outlined in 4(a).
<input checked="" type="checkbox"/>	5. <b>Side View Operational Diagram:</b> A map(s) showing a cross section diagram of the containment array(s) that itemize all structures above the surface and include all underwater structures and the high and low water mark.
<input type="checkbox"/>	6. <b>Habitat Map:</b> A 1:5000 map showing boundaries of the application area and including habitat characteristics from the habitat assessments.
<input checked="" type="checkbox"/>	7. <b>Intensive Use Area of site (Hectares):</b> Attach a worksheet showing the total Intensive Use Area (IUA) calculation for the infrastructure configuration which occupies the largest IUA.

## PART I - SECTION F: FIRST NATIONS CONSIDERATION

Canada and the Province of British Columbia are legally obligated to consult and, where appropriate, accommodate First Nations on decisions that could impact treaty rights or aboriginal rights and title ("Aboriginal Interests"). Federal and Provincial decision-makers are responsible for ensuring adequate and appropriate consultation and accommodations.

For more information please review the information available on the Ministry of Forests, Lands and Natural Resource Operations website: 'Consulting with First Nations'; specifically proponents are advised to review: "Guide to Involving Proponents When Consulting First Nations" (<http://www2.gov.bc.ca/gov/content/environment/natural-resource-stewardship/consulting-with-first-nations>).

Proponents are encouraged to engage with First Nations as early as possible in the planning stages to build relationships and for information sharing purposes. You may use the Province's Consultative Areas Database to identify which First Nations to engage: <http://geobc.gov.bc.ca>.

Is a summary of information sharing attached? ☐ Yes ☒ No





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# PART I - SECTION G: INFRASTRUCTURE INFORMATION SECTION G1 – CONTAINMENT ARRAY(S) ?

1. Proposed changes to Containment Array(s):			
DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input checked="" type="checkbox"/> Circle	<input checked="" type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input checked="" type="checkbox"/> Circle ?
QUANTITY	12		12
CONFIGURATION	2x6		2x6
DIMENSIONS *	120m		120m
TOTAL AREA **	60,492		60,492

\*Dimensions (m) for each structure

\*\* Total area is calculated using the length and width of the outside edges, including walkways of a square cage array and the length and width of the outer circle anchoring grid for circle cages.

\*\*\* Proposed change (difference between currently licensed and proposed cumulative total)

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input checked="" type="checkbox"/> Square <input type="checkbox"/> Circle	<input checked="" type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input checked="" type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY	12		12
CONFIGURATION	1x12		1x12
DIMENSIONS *	30m		30m
TOTAL AREA **	13,124		13,124

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY			
CONFIGURATION			
DIMENSIONS *			
TOTAL AREA **			



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**PART I SECTION G1 – CONTAINMENT ARRAY(S) CONTINUED: ?**

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle ?
QUANTITY			
CONFIGURATION			
DIMENSIONS *			
TOTAL AREA **			

\*Dimensions (m) for each structure

\*\* Total area is calculated using the length and width of the outside edges, including walkways of a square cage array and the length and width of the outer circle anchoring grid for circle cages.

\*\*\* Proposed change (difference between currently licensed and proposed cumulative total)

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY			
CONFIGURATION			
DIMENSIONS *			
TOTAL AREA **			

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY			
CONFIGURATION			
DIMENSIONS *			
TOTAL AREA **			



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## PART I - SECTION G2: ANCILLARY AND NAVIGATIONAL STRUCTURES

### 2. Proposed Ancillary and Navigational Structures:

For applications with more than one cage array proposed, please review ancillary section in the Guide to Marine Finfish Aquaculture Application.

DESCRIPTION	PROPOSED CHANGE	QUANTITY	DIMENSIONS (m)	TOTAL AREA (m <sup>2</sup> )
<i>e.g. Feed barge</i>	<input type="checkbox"/> Add or <input checked="" type="checkbox"/> Remove	1	40m x 30 m	1450m <sup>2</sup>
Float House	<input type="checkbox"/> Add <input type="checkbox"/> Remove	1	15.2x15.2	231
Feed Shed	<input type="checkbox"/> Add <input type="checkbox"/> Remove	1	9.1x18.2	166
Utility float	<input type="checkbox"/> Add <input type="checkbox"/> Remove	2	6.1 x 9.1	111
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Buoys	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Anchor Blocks	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Mooring lines	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Other:				



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## PART II – INFORMATION FOR THE BC MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS (FLNR)

The following information, along with Part I and Part V is required for the review of the Provincial Crown Land Tenure application to an existing tenure pursuant to the BC *Land Act*.

### PART II - SECTION A: SITING CONSIDERATIONS



Applicants must respond to each consideration and may be required to provide additional information in some situations

1. Does your proposal infringe on the riparian rights of an upland owner?		<input type="radio"/> Yes <input checked="" type="radio"/> No
Letter of upland owner consent enclosed:		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
2. Is the intended use consistent with approved local government bylaws for land use planning and zoning?		<input type="radio"/> Yes <input type="radio"/> No
Provide the name of the local government(s) for the area under application: Mount Waddington Regional District		
Describe any applicable bylaws or zoning for the proposed area: Existing tenure use is grandfathered		
If <u>No</u> , have you contacted the local government?		<input type="radio"/> Yes <input type="radio"/> No
Summary of interactions with local government attached:		<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
3. Is the site situated greater than 1 km in all directions from a First Nations reserve?		<input checked="" type="radio"/> Yes <input type="radio"/> No
If "No", written support from the First Nation(s) is attached:		<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
4. Is the site situated greater than 1 km in a direct line of sight from existing federal parks, regional district parks, provincial parks, marine protected areas, and conservancies (or approved proposals for these)?		<input checked="" type="radio"/> Yes <input type="radio"/> No
If <u>No</u> , have you contacted the relevant agency?		<input type="radio"/> Yes <input checked="" type="radio"/> No
Summary of correspondence with governing agency enclosed:		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
5. Is the site situated greater than 1 km from ecological reserves smaller than 1000 ha or approved proposals for ecological reserves smaller than 1000 ha?		<input checked="" type="radio"/> Yes <input type="radio"/> No
Summary of communication with BC Parks is attached:		<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A



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## PART II - SECTION A: SITING CONSIDERATIONS CONTINUED:

6. Is the site situated greater than 1 km from the mouth of an anadromous salmonid-bearing stream determined as significant by the Province?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Supporting documents is attached: <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A	
Provide the title of the supporting document(s) attached: ?	
7. Is the intended use consistent with a local area plan or Coastal Zone Management Plan? ?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
Identify the relevant plan(s) and describe any applicable sections of those plans for the proposed area: 2015 North Vancouver Island Marine Plan	
Provide details of communications and relevant correspondence with your application.	

## PART II - SECTION B: ADDITIONAL CROWN LANDS INFORMATION

1. Are all applicants Canadian Citizens or Permanent Residents; or if a corporation, registered partnership, cooperative or non-profit society, is it registered in BC?	<input checked="" type="radio"/> Yes <input type="radio"/> No
2. Is/Are applicant(s) 19 years of age or older?	<input checked="" type="radio"/> Yes <input type="radio"/> No
3. For applications made by more than one individual:	<input checked="" type="radio"/> N/A <input type="radio"/> Joint Tenants <u>OR</u> <input type="radio"/> Tenants in Common

## PART II - SECTION C: WATER USE ?

1. Will fresh water be diverted or used at the site for the operation of the facility, living accommodations or other purposes?	<input type="radio"/> Yes (Complete Question 2 & 3)	
	<input checked="" type="radio"/> No planned water usage (continue to Part III)	
2. Fresh water source: (check all that apply)	<input type="checkbox"/> Ground Water ?	<input type="checkbox"/> Surface Water
	Water Source Name:	
3. Do you have any existing water licences and/or have you submitted any water licence applications?	<input type="radio"/> Yes	Application Tracking Number:
		Licence Number:
	<input checked="" type="radio"/> No	



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## PART III – INFORMATION FOR FISHERIES AND OCEANS CANADA (DFO)

The following information along with Part I and Part V is required for the review of the federal Aquaculture Licence application pursuant to the federal *Fisheries Act*, *Pacific Aquaculture Regulations*.

### PART III - SECTION A: CULTURED SPECIES AND PRODUCTION

Check all species that you intend to culture and estimate the Combined Peak Biomass in metric tonnes (t).				
SPECIES COMMON NAME	CURRENTLY LICENSED	ADD	REMOVE	PROPOSED CUMULATIVE TOTAL
Atlantic salmon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Chinook salmon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Coho salmon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sablefish	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rainbow trout	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
*Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Combined Peak Biomass (t): ➡				

\*If "Other" species are requested, see guidebook for more details.

### PART III - SECTION B: DOMESTIC WASTE MANAGEMENT

COMPLETE THIS SECTION IF APPLYING FOR A NEW SITE OR MODIFYING LIVING ACCOMMODATION TO AN EXISTING SITE	
<p>1. Is there a floating living accommodation within the marine waters of the application area? Provide description of domestic sewage treatment works:</p>	<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p>
<p>2. Location of the sewage discharge point (include depth of outfall line):</p>	





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### PART III - SECTION C: WILD FISH, FISH HABITAT AND SITING CONSIDERATIONS

**NOTE:** Qualified professionals must conduct the habitat assessment and sediment sampling survey(s) and reporting.

IS ATTACHED	NOT REQUIRED	DOCUMENT (Check each box to confirm that documents are attached)	
<b>C1 MODELING &amp; CURRENTS</b>			
<input type="checkbox"/>	<input type="checkbox"/>	1.1 Diagram(s) of prediction(s) at maximum feed rate (1g, 5g and 10g contour)	
<input type="checkbox"/>	<input type="checkbox"/>	1.2 Diagram(s) of prediction(s) at average feed rate (1g, 5g and 10g contour)	
<input type="checkbox"/>	<input type="checkbox"/>	1.3 Summary tables and results	
<input type="checkbox"/>	<input type="checkbox"/>	1.4 Current Data	
<b>C2 FISH AND FISH HABITAT SURVEYS</b>			
<input type="checkbox"/>	<input type="checkbox"/>	2.1 Nearshore Survey	
<input type="checkbox"/>	<input type="checkbox"/>	2.2 Deepwater Survey	
<b>C3 SEDIMENT SAMPLING</b>			
<input type="checkbox"/>	<input type="checkbox"/>	* Check "NOT REQUIRED" if substrate cannot be sampled	
<b>C4 SENSITIVE AND CRITICAL HABITAT SURVEY(S) OR DATA</b>			
IS ATTACHED	TYPE	IS ATTACHED	TYPE
<input type="checkbox"/>	Stream survey	<input type="checkbox"/>	Glass sponge complexes
<input type="checkbox"/>	Historic herring spawn	<input type="checkbox"/>	Shellfish beds
<input type="checkbox"/>	Marine Mammal usage area	<input type="checkbox"/>	Abalone
<input type="checkbox"/>	Eelgrass beds	<input type="checkbox"/>	Lingcod
<input type="checkbox"/>	Kelp beds	<input type="checkbox"/>	Rockfish rearing/nursery areas
<b>C5 REFERENCE STATION DATA</b>			
<input type="checkbox"/>	<input type="checkbox"/>	Video data and Sediment Sampling	

### PART III - SECTION D: MANAGEMENT PLANS

The following facility management plans <u>must be attached</u> to your application. Check each box to confirm is attached.	
IS ATTACHED	PLAN
<input type="checkbox"/>	<b>D1 INVENTORY PLAN</b> - A 24 month Inventory Plan for all licensed species including biomass and age class.
<input type="checkbox"/>	<b>D2 CONTAINMENT ARRAY MANAGEMENT PLAN</b> - describes the structural operational components and location of compliance monitoring stations.
<input type="checkbox"/>	<b>D3 HEALTH MANAGEMENT PLAN (HMP)</b> - outlines the actions or procedures that operator must use at a facility to meet fish health requirements.
<input type="checkbox"/>	<b>D4 ESCAPE PREVENTION AND RESPONSE PLAN</b> - outlines the infrastructure and practices employed to prevent the escape of cultured fish into the marine environment.
<input type="checkbox"/>	<b>D5 MARINE MAMMAL INTERACTION MANAGEMENT PLAN</b> - describes measures to deter and minimize predator interactions.

**NOTE:** Upon approval, the CONTAINMENT ARRAY AND HEALTH MANAGEMENT PLANS will be incorporated into the Conditions of Licence.



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## PART IV – INFORMATION FOR TRANSPORT CANADA (TC)

The following information, along with Part I and Part V is required for the review of the federal *Navigation Protection Act* (NPA) approval.

### PART IV - SECTION A: SITING CONSIDERATIONS

Applicants may be required to provide additional information in some situations.

### PART IV - SECTION B: ADDITIONAL TRANSPORT CANADA INFORMATION

1. Waterway Name: Tribune Channel	
Width (m): 1,100.00	Depth Range (m): 113.00
2. Nearest Community: Port McNeill	
3. Is this Work:	<input type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> Modification of Existing Work
4. To help with the review process, please include the following if available. Check each box to confirm is attached.	
<input type="checkbox"/> Photographs at the site of the proposed/existing work and surrounding area	
<input type="checkbox"/> Environmental Assessment documents (if any)	





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## PART V – INFORMATION FOR ALL AGENCIES

Incomplete applications will be returned to applicant.

### PROVINCIAL FEES:

Application fees for Crown land tenures are due upon submission. Fees for new applications and amendments to existing tenures are established in the Crown Land Fee regulation – see link

[http://www.bclaws.ca/civix/document/id/lc/statreg/177\\_2003](http://www.bclaws.ca/civix/document/id/lc/statreg/177_2003). Note that the fee structure does not include that taxes that apply.

### Forms of payment:

- Cheques or Money orders must be in Canadian Funds to Minister of Finance.  
(FrontCounter BC will not accept personal cheques drawn on US banks, regardless of what currency.)
- Debit Card (in-person only).
- Visa, AMEX and MasterCard payments are accepted in-person or over the telephone. To locate a FrontCounter BC office, visit the website at <http://www.frontcounterbc.gov.bc.ca/contact/> or call the toll free number 1-877-855-3222.

**FEDERAL FEES:** <http://www.pac.dfo-mpo.gc.ca/aquaculture/licence-permis/index-eng.html>. Federal fees will be invoiced prior to licensing and are only payable online using the National Online Licensing System.

**DISCLOSURE:** The information you provide may be subject to the following legislation: British Columbia *Freedom of Information and Protection of Privacy Act* (FOIPPA); the federal *Access to Information Act*; and the federal *Privacy Act*. Personal information is collected by FrontCounter BC under the legal authority of section 26 (c) and 27 (1) of the *Freedom of Information and Protection of Privacy Act* (the Act). The collection, use, and disclosure of personal information is subject to the provisions of the Act. The personal information collected by FrontCounter BC will be used to process your inquiry or application(s). It may also be shared when strictly necessary with partner agencies that are also subject to the provisions of the Act. The personal information supplied in the application package may be used for referrals or notifications as required. Personal information may be used by FrontCounter BC for survey purposes. For more information regarding the collection, use, and/or disclosure of your personal information by FrontCounter BC, please contact FrontCounter BC at 1-877-855-3222 or at: FrontCounter BC Program Director, FrontCounter BC, Provincial Operation, 441 Columbia Street, Kamloops, BC V2C 2T3 or the Director, Access to Information and Privacy Secretariat at the Department of Fisheries and Oceans Canada and Transport Canada. The Province of British Columbia, Fisheries and Oceans Canada, and Transport Canada do not consider the information submitted in this form to be confidential unless it is subject to the privacy protection of the *Freedom of Information and Protection of Privacy Act* or the *Access to Information Act*.

I understand that the information supplied will be used to review my applications under the *BC Land Act*, *BC Seafood Act*, federal *Fisheries Act* and the federal *Navigation Protection Act* and information will be shared amongst the other agencies, First Nations and/or with the public.

**IMPORTANT:** Federal regulations require that applications submitted on behalf of a company be signed by a company director. Please email [aquaculture.licensing@dfo-mpo.gc.ca](mailto:aquaculture.licensing@dfo-mpo.gc.ca) for direction regarding supporting documentation.\*

Signature(s) of applicant(s)  
or authorized representative

Printed name(s) of Applicant(s)  
or authorized representative\*

Date (yyyy/mm/dd)

2018/01/24

\*If signature is by an authorized representative please supply a letter granting authorization to act on behalf of the applicant.

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## Submit completed application, and additional supporting information (if applicable) to:

### BY EMAIL:

Email Subject line: **Proponent Name, Application Type**

Attachments: The application and attachments to be submitted as one "unprotected" PDF document. If not, name as following:

**Proponent\_Application Type\_1of2**

**Proponent\_Description of Supporting documents\_2of2**

Email to: **WestCoast.LandReferrals@gov.bc.ca**

Fees: Upon review of your application, you will be notified by FrontCounter BC of the applicable provincial application fee.

### IN PERSON:

Any FrontCounter BC office.

Visit **<http://www.frontcounterbc.gov.bc.ca>** for the location nearest you.

### BY MAIL:

FrontCounter BC, 142-2080 Labieux Road, Nanaimo, BC V9T 6J9

**PLEASE RETAIN A COPY OF THIS APPLICATION FOR YOUR RECORDS**

**APPLICATIONS ARE NOT TRANSFERABLE**

**THE SUBMISSION OF THIS FORM DOES NOT IN ANY MANNER CONVEY ANY RIGHTS TO USE OR OCCUPY CROWN LAND AND/OR CONDUCT REQUESTED ACTIVITIES**



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(DO NOT COMPLETE THIS PAGE IF FILLING IN APPLICATION ELECTRONICALLY)**

**Site Information:**

Site Common Name

Humphrey Rock

DFO Facility Reference Number	Land File Number	Intensive Use Area of Site (ha)	Extensive Use Area of Site (ha)	Total Area (ha)
1618	1409707	12	40	52

**Proposed Cage Arrays:**

DESCRIPTION	CAGE ARRAY 1	CAGE ARRAY 2	CAGE ARRAY 3	CAGE ARRAY 4	CAGE ARRAY 5	CAGE ARRAY 6
QUANTITY	12	12				
CONFIGURATION	2x6	1x12				
DIMENSIONS *	120m	30m				
TOTAL AREA**	60,492	13,124				

**Proposed Ancillary and Navigational Structures:**

DESCRIPTION	Float House	Feed Shed	Utility float		
QUANTITY	1	1	2		
DIMENSIONS *	15.2x15.2	9.1x18.2	6.1 x 9.1		
TOTAL AREA**	231	166	111		

**NOTE:** Only first 5 rows of the Ancillary structures are listed here, remainder on page 9 of the application.

\*Dimensions (m OR m2) for each structure

\*\* Total Area including all walkways or area between circular cages

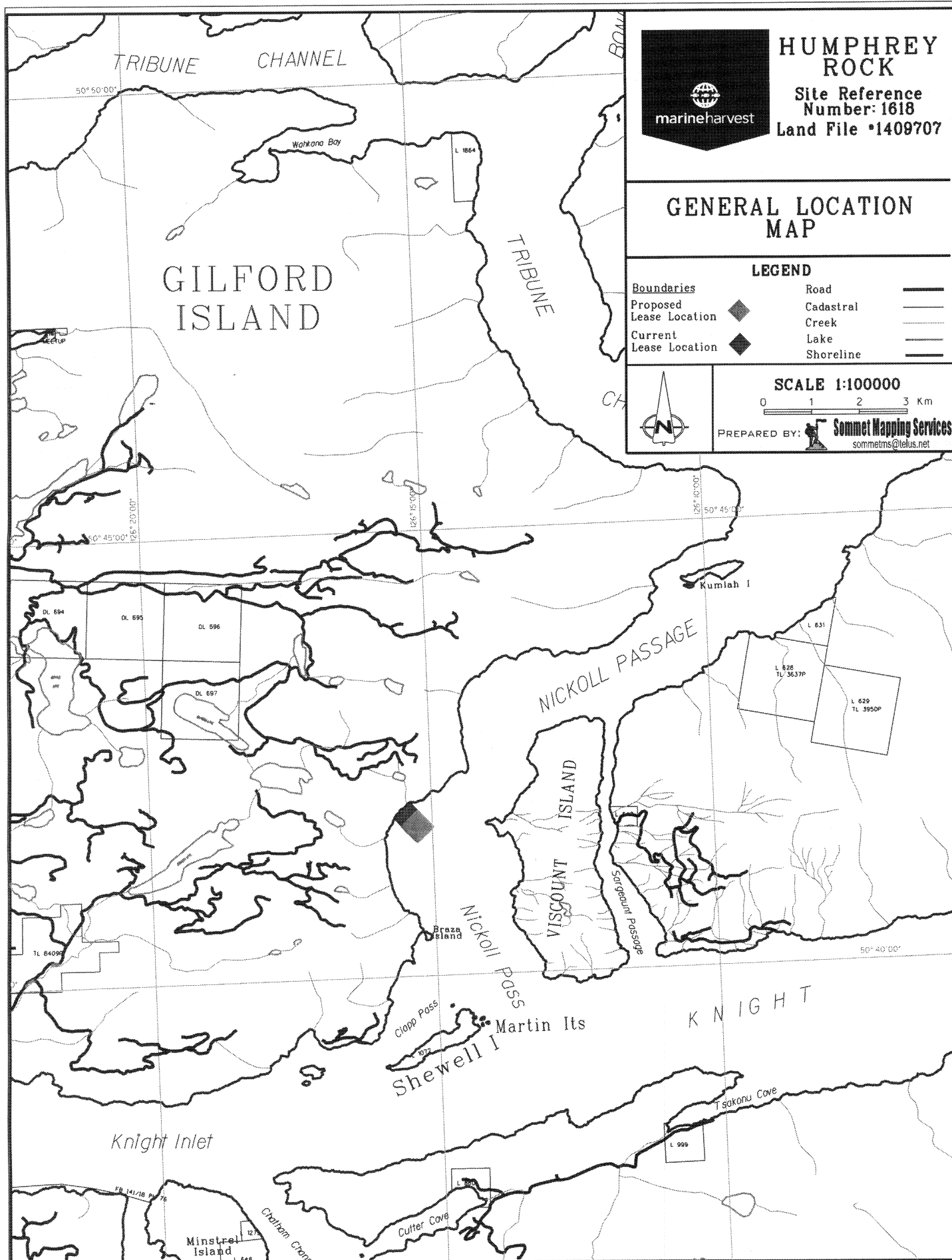
<b>PACIFIC MARINE FINFISH AQUACULTURE AMENDMENT APPLICATION</b>			
<b>LIST OF ATTACHMENTS</b>			<b>Attachment</b>
<b>PART I – GENERAL INFORMATION</b>			
<b>Section E: Maps, Diagrams, and Additional Required Documents</b>			
	1.	General Location Map	1
	2.	Detailed Location Map	1
	3.	Shape Files	Digital submission
	4.	Top View Operational Diagram (1x12 30m cages)	1
	5.	Side View Operational Diagrams (1x12 30m cage)	1
	4.	Top View Operational Diagram (2x6 120m circles)	1
	5.	Side View Operational Diagrams (2x6 120m circles)	1
	7.	Intensive Use Area of Site	2

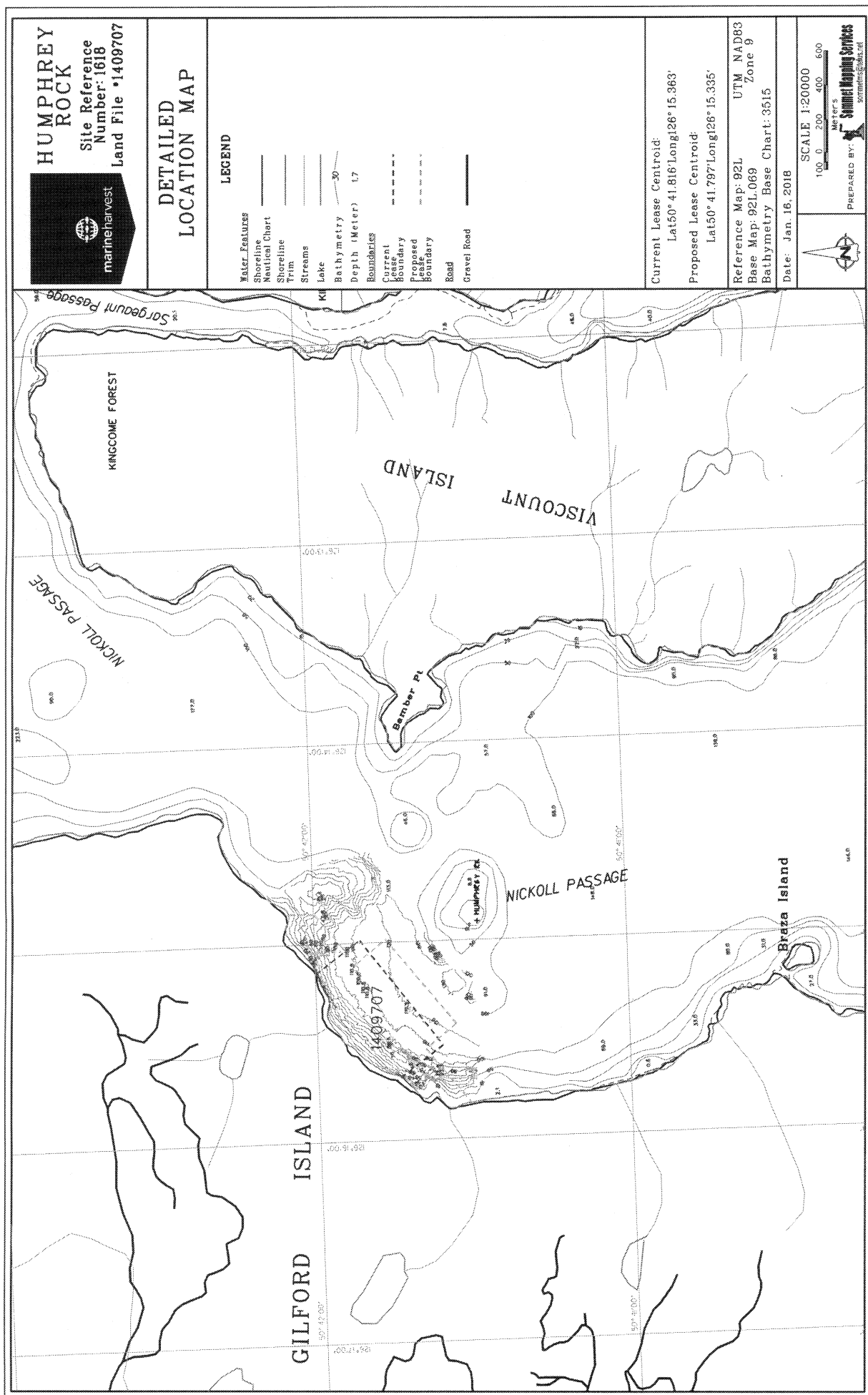
## **Attachment #1**

### **Part I - General Applicant Information**

#### **Section E: Maps, Diagrams, and Additional Required Documents**

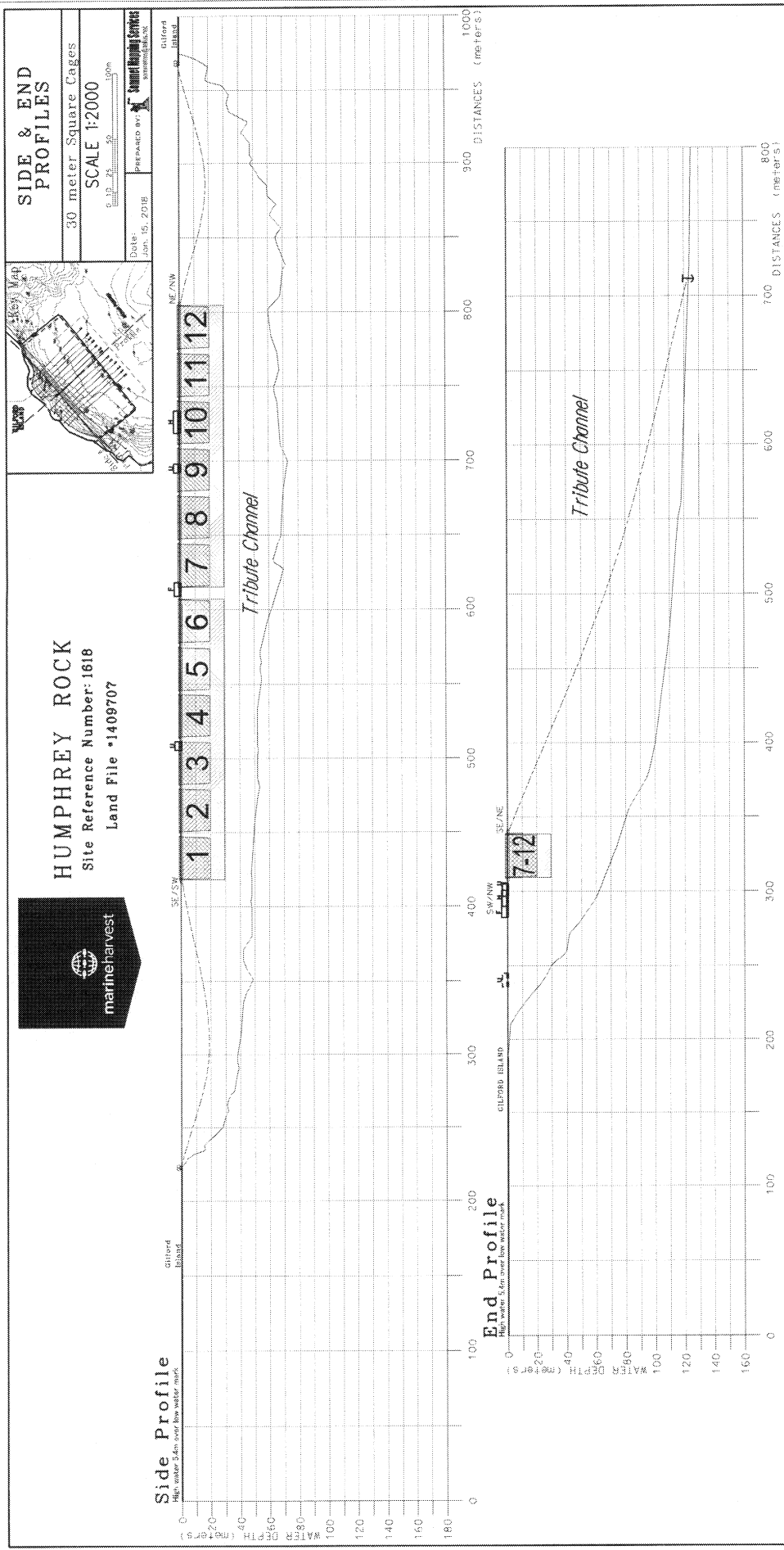
1.	General Location Map
2.	Detailed Location Map
4.	Top View Operational Diagram (1x12 30m cages)
5.	Side View Operational Diagrams (1x12 30m cage)
4.	Top View Operational Diagram (2x6 120m circles)
5.	Side View Operational Diagrams (2x6 120m circles)

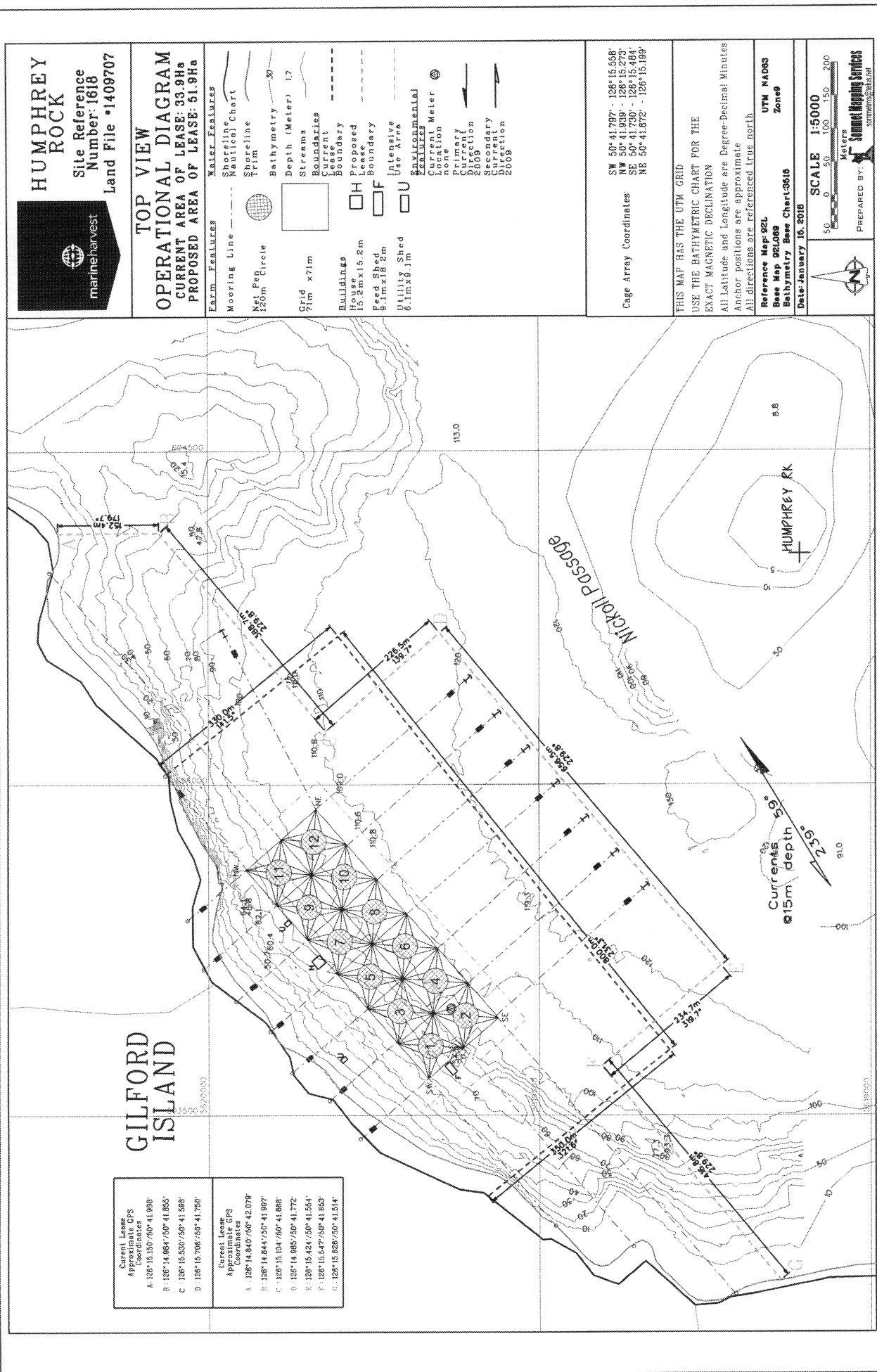


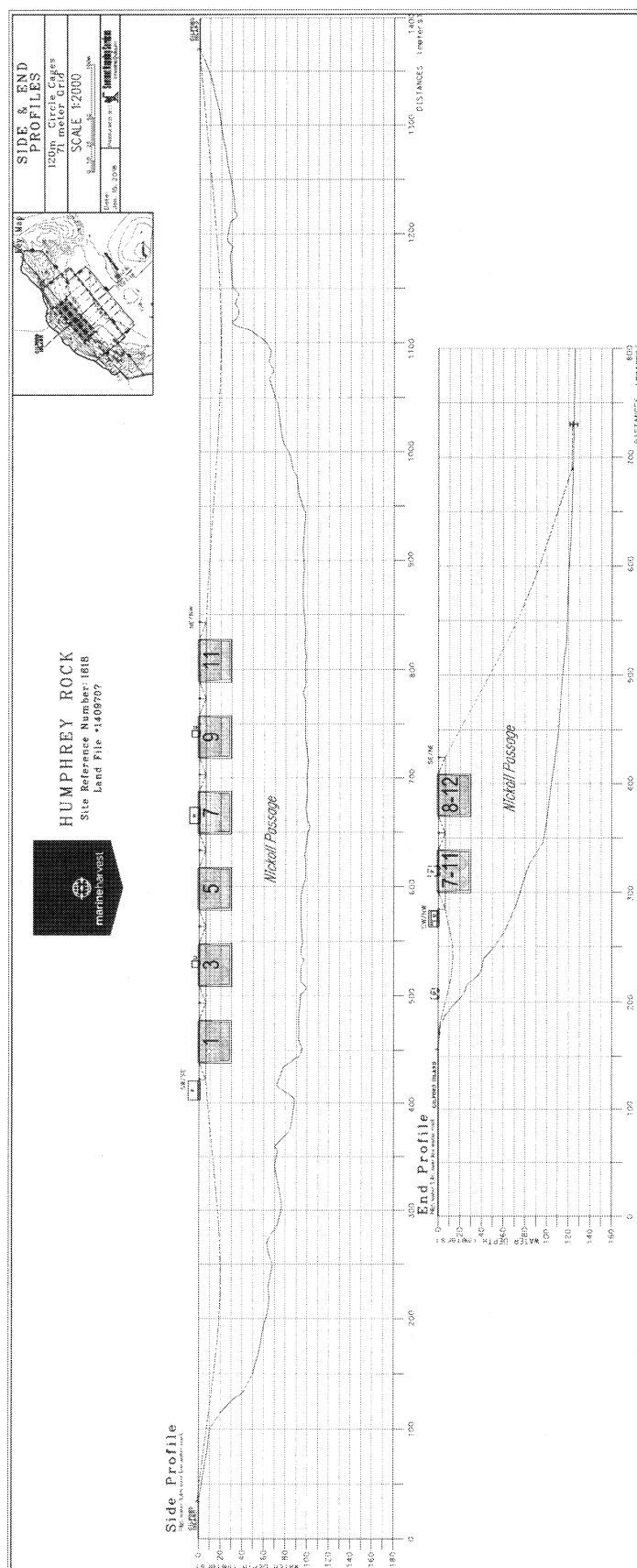












## **Attachment #2**

### **Part I - General Applicant Information**

#### **Section E: Maps, Diagrams, and Additional Required Documents**

7.	Intensive Use Area of Site
----	----------------------------

INTENSIVE USE AREA

Site Name:

Humphrey

Date:

January 23, 2018

Circle Cages (120m)				
grid size (m): configuration:	71	rows of		6 cages
	2	length		m <sup>2</sup>
area at sea level	142	426	60492	m <sup>2</sup>
Intensive use area	202	486	98172	m <sup>2</sup>

house				
# of float houses:	1	length		m <sup>2</sup>
area at sea level	15.2	15.2	231.04	
Intensive use area	75.2	75.2	5655.04	
Total Intensive Use Area			5655.04	m <sup>2</sup>

feed shed				
# of feed sheds:	1	length		m <sup>2</sup>
area at sea level	9.1	18.2	165.62	
Intensive use area	69.1	78.2	5403.62	
Total Intensive Use Area			5403.62	m <sup>2</sup>

utility shed				
# of utility floats:	2	length		m <sup>2</sup>
area at sea level	6.1	9.1	55.51	
Intensive use area	66.1	69.1	4567.51	
Total Intensive Use Area			9135.02	m <sup>2</sup>

Circle Cages (120m)	98172
house	5655.04
feed shed	5403.62
utility shed	9135.02
Total IUA	118365.7 m <sup>2</sup>
	12 Hectares
Total EUA	400634 m <sup>2</sup>
	40 Hectares
Total Lease Area	51.9 m <sup>2</sup>

Square Cages				
cage size (m): configuration:	30	rows of		12 cages
	1	length		m <sup>2</sup>
area at sea level	34	386	13124	m <sup>2</sup>
Intensive use area	94	446	41924	m <sup>2</sup>

\*\*assumes 2m between cages for walkways

house				
# of float houses:	1	length		m <sup>2</sup>
area at sea level	15.2	15.2	231.04	
Intensive use area	75.2	75.2	5655.04	
Total Intensive Use Area			5655.04	m <sup>2</sup>

feed shed				
# of feed sheds:	1	length		m <sup>2</sup>
area at sea level	9.1	18.2	165.62	
Intensive use area	69.1	78.2	5403.62	
Total Intensive Use Area			5403.62	m <sup>2</sup>

utility shed				
# of utility floats:	2	length		m <sup>2</sup>
area at sea level	6.1	9.1	55.51	
Intensive use area	66.1	69.1	4567.51	
Total Intensive Use Area			9135.02	m <sup>2</sup>

Square Cages	41924
house	5655.04
feed shed	5403.62
utility shed	9135.02
Total IUA	62117.68 m <sup>2</sup>
	6 Hectares
Total EUA	456882 m <sup>2</sup>
	46 Hectares
Total Lease Area	51.9 m <sup>2</sup>

---

# ***Sargeaunt's Passage*** LF#1403328

## **Pacific Marine Finfish Aquaculture Amendment Application**

---

**Submitted to:**

**Front Counter BC**

**2080a Labieux Road**

**Nanaimo, BC**

**V9T 6J9**

**Submitted by:**

**Marine Harvest Canada**

**Suite #124-1334 Island Highway**

**Campbell River, BC**

**V9W 8C9**

***January 24, 2018***

MARINE HARVEST ASA



FrontCounter BC  
2080a Labieux Road,  
Nanaimo, B.C.  
V9T 6J9

January 24, 2018.

To whom it may concern,

**RE: REQUEST FOR TENURE REPLACEMENT AT SARGEAUNT'S PASSAGE LF#1403328**

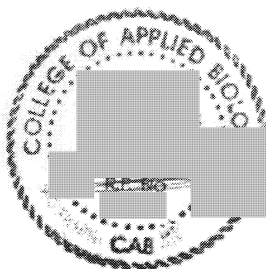
The Marine Harvest Canada Inc. (MHC) Sargeaunt's Passage aquaculture tenure expires on June 20, 2018. At the request of the Ministry of Forests, Lands, Natural Resource Operations and Rural Development a Pacific Marine Finfish Aquaculture Amendment Application is attached detailing the tenure and on site improvements.

Please note that MHC is applying to increase the tenure boundary at Sargeaunt's Passage. As per site engineering the system requires adequate anchor line scope to ensure site safety and security.

No changes to site infrastructure, species, or production is included in this application.

Please accept the enclosed information as our intention to initiate replacement of the Sargeaunt's Passage aquaculture tenure.

Sincerely,



[Redacted]  
Marine Harvest Canada  
Campbell River, BC  
Tel: (250) 850-3276 ext [Redacted]  
Cell: [Redacted]

Fax: (250) 850-3275  
[www.marineharvestcanada.com](http://www.marineharvestcanada.com)

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FOR INTERNAL USE

File Number:

Project Number:

Disposition Number:

Client Number:

## PACIFIC MARINE FINFISH AQUACULTURE AMENDMENT APPLICATION

MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS  
FISHERIES AND OCEANS CANADA  
TRANSPORT CANADA

Prior to completing this application refer to the approved **Federal Aquaculture Licence and Provincial Site Management plans** for details on currently approved activities at the site. If you require a copy, please contact FLNRO at [WestCoast.LandReferrals@gov.bc.ca](mailto:WestCoast.LandReferrals@gov.bc.ca)

### PART I – GENERAL INFORMATION

Any time you see this symbol, hold mouse pointer over top and additional information will appear.

For each question, select only one check box or circle unless otherwise directed.

#### PART I - SECTION A1: AMENDMENT SUMMARY

Provide a general overview of the proposed amendment:



RE: REQUEST FOR TENURE REPLACEMENT AT SARGEAUNT'S PASSAGE LF#1403328

The Marine Harvest Canada Inc. (MHC) Sargeaunt's Passage aquaculture tenure expires on June 20, 2018. At the request of the Ministry of Forests, Lands, Natural Resource Operations and Rural Development a Pacific Marine Finfish Aquaculture Amendment Application is attached detailing the tenure and on site improvements.

Please note that MHC is applying to increase the tenure boundary at Sargeaunt's Passage. As per site engineering the system requires adequate anchor line scope to ensure site safety and security.

No changes to site infrastructure, species, or production is included in this application.

Please accept the enclosed information as our intention to initiate replacement of the Sargeaunt's Passage aquaculture tenure.



Additional Pages or Supporting Material Attached:

☒ Yes

☐ No





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**PART I – SECTION A2: AMENDMENT TYPE (CHECK ALL THAT APPLY)**

<input checked="" type="checkbox"/> <b>Tenure Area Change</b>	
<input checked="" type="checkbox"/> Expansion  <input type="checkbox"/> Reduction	Complete the following: PART I PART II PART III: Section C PART IV PART V
<input type="checkbox"/> <b>Infrastructure</b>	
<input type="checkbox"/> Addition of <u>Infrastructure</u>  <input type="checkbox"/> Change meets conditions of "Incidental Aquaculture Use" (IAU)	Complete the following: PART I PART II: complete only if does not meet IAU PART III: Sections B (if applicable), C & D PART IV PART V
<input type="checkbox"/> Removal	Complete the following: PART I PART III PART V
<input type="checkbox"/> <b>Species and/or Production</b>	
<input type="checkbox"/> Addition of Species  <input type="checkbox"/> Change in Production  <input type="checkbox"/> Removal	Complete the following: PART I: Sections A, B & C PART III : Sections A, C & D PART V



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**PART I - SECTION B1: FEDERAL APPROVAL APPLICANT INFORMATION**



☒ CHECK THIS BOX IF SAME APPLICANT INFORMATION WILL BE USED FOR PROVINCIAL APPROVAL

<b>1. Applicant Type (complete only one type):</b>		
<input checked="" type="checkbox"/> Registered Business	Registered Business Name: Marine Harvest Canada	
	BC Inc. #, BC Registration # or BC Society #: BC0812200	
<input type="checkbox"/> Individual(s)		
First:	Middle:	Last:
<b>2. Applicant Mailing Address:</b>		Telephone: (250) 850-3276
Suite 124-1334 Island Highway		Cell: [REDACTED]
Campbell River, B.C.		Fax: (250) 850-3275
V9W 8C9		Email: [REDACTED]
Canada		
<b>3. Physical Business Address:</b>		
<input checked="" type="checkbox"/> Same as above		
<b>4. Primary Contact Mailing Address:</b>		<input checked="" type="checkbox"/> Same as above
		Name: [REDACTED]
		Telephone: (250) 850-3276
		Cell: [REDACTED]
		Fax: (250) 850-3275
		Email: [REDACTED]
<b>5. Agent/Representative Mailing Address:</b>		Letter of Authorization Enclosed: <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
		Name:
		Telephone:
		Cell:
		Fax:
		Email:



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# **PART I – SECTION B2: PROVINCIAL APPROVAL APPLICANT INFORMATION**

(COMPLETE SECTION B2 ONLY IF APPLICANT INFORMATION IS DIFFERENT THAN SECTION

<b>1. Applicant Type (complete only one type):</b>		
<input type="checkbox"/> Registered Business	<b>Registered Business Name:</b>	
	<b>Business Number:</b>	
<input type="checkbox"/> Individual(s)		
<b>First:</b>	<b>Middle:</b>	<b>Last:</b>
<b>2. Applicant Mailing Address:</b>		<b>Telephone:</b>
		<b>Cell:</b>
		<b>Fax:</b>
		<b>Email:</b>
<b>3. Physical Business Address:</b>		
<input type="checkbox"/> Same as above		
<b>4. Primary Contact Mailing Address:</b>		<input type="checkbox"/> Same as above
		<b>Name:</b>
		<b>Telephone:</b>
		<b>Cell:</b>
		<b>Fax:</b>
		<b>Email:</b>
<b>5. Agent/Representative Mailing Address:</b>		<b>Letter of Authorization Enclosed:</b> <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
		<b>Name:</b>
		<b>Telephone:</b>
		<b>Cell:</b>
		<b>Fax:</b>
		<b>Email:</b>



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## PART I – SECTION C: SITE GENERAL INFORMATION

1. DFO Facility Reference Number: 1059	
2. Land File Number: 1403328	
3. Navigation Protection Program Number: 2000-501023-001 (T471)	
4. Site Common Name: Sargeant Passage	
5. Pacific Fishery Management Area (PFMA): 12	Sub Area: 35

## PART I - SECTION D: LICENSED AREA CHANGE

<p>1. Land Ownership and/or Tenure Type:</p> <p> <input checked="" type="checkbox"/> Provincial Crown Land (If Crown land: <input type="radio"/> Lease <input checked="" type="radio"/> Licence of Occupation <input type="radio"/> Investigative Use Licence)         </p> <p> <input type="checkbox"/> Federal Land  <input type="checkbox"/> Private Land  <input type="checkbox"/> Harbour Authority  <input type="checkbox"/> First Nation Reserve  <input type="checkbox"/> Other (describe):         </p>			
2. GPS coordinates for the center of the application area / tenure (Report in Degree Decimal Minutes):		Latitude (DD DD.ddddd): 50 40.412	
		Longitude (DD DD.ddddd): 126 11.253	
3. Estimated Application Area	CURRENTLY LICENSED (hectares)	PROPOSED CHANGE (hectares) <input checked="" type="checkbox"/> Add <input type="checkbox"/> Remove	PROPOSED CUMULATIVE TOTAL (hectares)
Intensive Use Area of Site	15	0	15
Extensive Use Area of Site	13	12	25
Estimated Total Area of Site	28	12	40



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## PART I - SECTION E: MAPS, DIAGRAMS AND ADDITIONAL REQUIRED DOCUMENTS

Check each box to confirm attached	Attach the following maps, diagrams and documents in Adobe format (.pdf). They must be submitted with a title, to scale and be consistent with the other information in this application. Please refer to the Mapping Descriptions and Sample Mapping located in the Guide to Pacific Marine Finfish Aquaculture. All maps should be provided using CHS Marine Charts unless specified otherwise.
<input checked="" type="checkbox"/>	1. <b>General Location Map:</b> A 1:50,000 to 1:100,000 indicating the general location of area under application, noting the location of significant geographic features, such as a lake, mountain, road, community, etc.
<input checked="" type="checkbox"/>	2. <b>Detailed Location Map:</b> A map with a scale between 1:20,000 and 1:40,000, showing the detailed location of the area under application.
<input checked="" type="checkbox"/>	3. <b>Application Area Map (submit one of the following):</b> (a) <b>Shape file:</b> Attach a shapefile or ".kmz" file, geo-referenced to BC Albers projection (NAD 83), including a reference map with a Point of Commencement (POC) ; <b>OR</b> (b) <b>Metes &amp; Bounds:</b> A <b>topographic map</b> showing a UTM/latitude and longitude of POC and a corresponding text description on a separate piece of paper that describes the metes & bounds of the proposed shape.
<input checked="" type="checkbox"/>	4. <b>Top View Operational Diagram(s):</b> (a) A 1:5000 scale site plan showing proposed change(s) to existing tenure boundaries and: (i) <u>new containment array</u> . If several arrays are proposed, provide one site plan per array; <b>AND/OR</b> (ii) any proposed changes to <u>existing containment array(s)</u> . If changes are proposed to several containment arrays, provide one site plan per array; <b>AND</b> (b) A single 1:5000 scale site plan showing currently licenced containment array(s) and all proposed additions and/or changes as outlined in 4(a).
<input checked="" type="checkbox"/>	5. <b>Side View Operational Diagram:</b> A map(s) showing a cross section diagram of the containment array(s) that itemize all structures above the surface and include all underwater structures and the high and low water mark.
<input type="checkbox"/>	6. <b>Habitat Map:</b> A 1:5000 map showing boundaries of the application area and including habitat characteristics from the habitat assessments.
<input checked="" type="checkbox"/>	7. <b>Intensive Use Area of site (Hectares):</b> Attach a worksheet showing the total Intensive Use Area (IUA) calculation for the infrastructure configuration which occupies the largest IUA.

## PART I - SECTION F: FIRST NATIONS CONSIDERATION

Canada and the Province of British Columbia are legally obligated to consult and, where appropriate, accommodate First Nations on decisions that could impact treaty rights or aboriginal rights and title ("Aboriginal Interests"). Federal and Provincial decision-makers are responsible for ensuring adequate and appropriate consultation and accommodations.

For more information please review the information available on the Ministry of Forests, Lands and Natural Resource Operations website: 'Consulting with First Nations'; specifically proponents are advised to review: "Guide to Involving Proponents When Consulting First Nations" (<http://www2.gov.bc.ca/gov/content/environment/natural-resource-stewardship/consulting-with-first-nations>).

Proponents are encouraged to engage with First Nations as early as possible in the planning stages to build relationships and for information sharing purposes. You may use the Province's Consultative Areas Database to identify which First Nations to engage: <http://geobc.gov.bc.ca>.

Is a summary of information sharing attached? ☐ Yes ☒ No



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# PART I - SECTION G: INFRASTRUCTURE INFORMATION SECTION G1 – CONTAINMENT ARRAY(S) ?

## 1. Proposed changes to Containment Array(s):

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input checked="" type="checkbox"/> Circle	<input checked="" type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input checked="" type="checkbox"/> Circle <span style="border: 1px solid black; border-radius: 50%; padding: 0 5px;">?</span>
QUANTITY	12		12
CONFIGURATION	2 x 6		2 x 6
DIMENSIONS *	120		120
TOTAL AREA **	63,948		63,948

\*Dimensions (m) for each structure

\*\* Total area is calculated using the length and width of the outside edges, including walkways of a square cage array and the length and width of the outer circle anchoring grid for circle cages.

\*\*\* Proposed change (difference between currently licensed and proposed cumulative total)

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY			
CONFIGURATION			
DIMENSIONS *			
TOTAL AREA **			

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY			
CONFIGURATION			
DIMENSIONS *			
TOTAL AREA **			



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**PART I SECTION G1 – CONTAINMENT ARRAY(S) CONTINUED: ?**

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle ?
QUANTITY			
CONFIGURATION			
DIMENSIONS *			
TOTAL AREA **			

\*Dimensions (m) for each structure

\*\* Total area is calculated using the length and width of the outside edges, including walkways of a square cage array and the length and width of the outer circle anchoring grid for circle cages.

\*\*\* Proposed change (difference between currently licensed and proposed cumulative total)

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY			
CONFIGURATION			
DIMENSIONS *			
TOTAL AREA **			

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY			
CONFIGURATION			
DIMENSIONS *			
TOTAL AREA **			





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## PART I - SECTION G2: ANCILLARY AND NAVIGATIONAL STRUCTURES

### 2. Proposed Ancillary and Navigational Structures:

For applications with more than one cage array proposed, please review ancillary section in the Guide to Marine Finfish Aquaculture Application.

DESCRIPTION	PROPOSED CHANGE	QUANTITY	DIMENSIONS (m)	TOTAL AREA (m <sup>2</sup> )
<i>e.g. Feed barge</i>	<input checked="" type="checkbox"/> Add or <input checked="" type="checkbox"/> Remove	1	40m x 30 m	1450m <sup>2</sup>
House	<input type="checkbox"/> Add <input type="checkbox"/> Remove	1	12 x 18	216
Feed Barge	<input type="checkbox"/> Add <input type="checkbox"/> Remove	1	12 x 18	216
Utility Float	<input type="checkbox"/> Add <input type="checkbox"/> Remove	3	6 x 10	180
Transfer Pen	<input type="checkbox"/> Add <input type="checkbox"/> Remove	4	15x15	1,444
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Buoys	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Anchor Blocks	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Mooring lines	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Other:				





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## PART II – INFORMATION FOR THE BC MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS (FLNR)

The following information, along with Part I and Part V is required for the review of the Provincial Crown Land Tenure application to an existing tenure pursuant to the BC Land Act.

### PART II - SECTION A: SITING CONSIDERATIONS



Applicants must respond to each consideration and may be required to provide additional information in some situations

1. Does your proposal infringe on the riparian rights of an upland owner?		<input type="radio"/> Yes <input checked="" type="radio"/> No
Letter of upland owner consent enclosed:		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
2. Is the intended use consistent with approved local government bylaws for land use planning and zoning?		<input type="radio"/> Yes <input type="radio"/> No
Provide the name of the local government(s) for the area under application: Mount Waddington Regional District		
Describe any applicable bylaws or zoning for the proposed area: Existing tenure use is grandfathered		
If <u>No</u> , have you contacted the local government?		<input type="radio"/> Yes <input type="radio"/> No
Summary of interactions with local government attached:		<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
3. Is the site situated greater than 1 km in all directions from a First Nations reserve?		<input checked="" type="radio"/> Yes <input type="radio"/> No
If "No", written support from the First Nation(s) is attached:		<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
4. Is the site situated greater than 1 km in a direct line of sight from existing federal parks, regional district parks, provincial parks, marine protected areas, and conservancies (or approved proposals for these)?		<input checked="" type="radio"/> Yes <input type="radio"/> No
If <u>No</u> , have you contacted the relevant agency?		<input type="radio"/> Yes <input checked="" type="radio"/> No
Summary of correspondence with governing agency enclosed:		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
5. Is the site situated greater than 1 km from ecological reserves smaller than 1000 ha or approved proposals for ecological reserves smaller than 1000 ha?		<input checked="" type="radio"/> Yes <input type="radio"/> No
Summary of communication with BC Parks is attached:		<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A



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## PART II - SECTION A: SITING CONSIDERATIONS CONTINUED:

6. Is the site situated greater than 1 km from the mouth of an anadromous salmonid-bearing stream determined as significant by the Province?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Supporting documents is attached: <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A	
Provide the title of the supporting document(s) attached: ?	
7. Is the intended use consistent with a local area plan or Coastal Zone Management Plan? ?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
Identify the relevant plan(s) and describe any applicable sections of those plans for the proposed area: 2015 North Vancouver Island Marine Plan	
Provide details of communications and relevant correspondence with your application.	

## PART II - SECTION B: ADDITIONAL CROWN LANDS INFORMATION

1. Are all applicants Canadian Citizens or Permanent Residents; or if a corporation, registered partnership, cooperative or non-profit society, is it registered in BC?	<input checked="" type="radio"/> Yes <input type="radio"/> No
2. Is/Are applicant(s) 19 years of age or older?	<input checked="" type="radio"/> Yes <input type="radio"/> No
3. For applications made by more than one individual:	<input checked="" type="radio"/> N/A <input type="radio"/> Joint Tenants <u>OR</u> <input type="radio"/> Tenants in Common

## PART II - SECTION C: WATER USE ?

1. Will fresh water be diverted or used at the site for the operation of the facility, living accommodations or other purposes?	<input type="radio"/> Yes (Complete Question 2 & 3)	
	<input checked="" type="radio"/> No planned water usage (continue to Part III)	
2. Fresh water source: (check all that apply)	<input type="checkbox"/> Ground Water ?	<input type="checkbox"/> Surface Water
	Water Source Name:	
3. Do you have any existing water licences and/or have you submitted any water licence applications?	<input type="radio"/> Yes	Application Tracking Number:
		Licence Number:
	<input type="radio"/> No	



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## PART III – INFORMATION FOR FISHERIES AND OCEANS CANADA (DFO)

The following information along with Part I and Part V is required for the review of the federal Aquaculture Licence application pursuant to the federal *Fisheries Act*, *Pacific Aquaculture Regulations*.

### PART III - SECTION A: CULTURED SPECIES AND PRODUCTION

Check all species that you intend to culture and estimate the Combined Peak Biomass in metric tonnes (t).

SPECIES COMMON NAME	CURRENTLY LICENSED	ADD	REMOVE	PROPOSED CUMULATIVE TOTAL
Atlantic salmon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Chinook salmon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Coho salmon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sablefish	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rainbow trout	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
*Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Combined Peak Biomass (t):				

\*If "Other" species are requested, see guidebook for more details.

### PART III - SECTION B: DOMESTIC WASTE MANAGEMENT

COMPLETE THIS SECTION IF APPLYING FOR A NEW SITE OR MODIFYING LIVING ACCOMMODATION TO AN EXISTING SITE	
<b>1. Is there a floating living accommodation within the marine waters of the application area?</b> Provide description of domestic sewage treatment works:	<input type="radio"/> Yes  <input type="radio"/> No
<b>2. Location of the sewage discharge point (include depth of outfall line):</b>  	



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### PART III - SECTION C: WILD FISH, FISH HABITAT AND SITING CONSIDERATIONS ?

**NOTE:** Qualified professionals must conduct the habitat assessment and sediment sampling survey(s) and reporting.

IS ATTACHED	NOT REQUIRED	DOCUMENT (Check each box to confirm that documents are attached)	
<b>C1 MODELING &amp; CURRENTS</b>			
<input type="checkbox"/>		1.1 Diagram(s) of prediction(s) at maximum feed rate (1g, 5g and 10g contour)	
<input type="checkbox"/>		1.2 Diagram(s) of prediction(s) at average feed rate (1g, 5g and 10g contour)	
<input type="checkbox"/>		1.3 Summary tables and results	
<input type="checkbox"/>		1.4 Current Data	
<b>C2 FISH AND FISH HABITAT SURVEYS</b>			
<input type="checkbox"/>		2.1 Nearshore Survey	
<input type="checkbox"/>		2.2 Deepwater Survey	
<b>C3 SEDIMENT SAMPLING</b>			
<input type="checkbox"/>	<input type="checkbox"/>	* Check "NOT REQUIRED" if substrate cannot be sampled	
<b>C4 SENSITIVE AND CRITICAL HABITAT SURVEY(S) OR DATA</b>			
IS ATTACHED	TYPE	IS ATTACHED	TYPE
<input type="checkbox"/>	Stream survey	<input type="checkbox"/>	Glass sponge complexes
<input type="checkbox"/>	Historic herring spawn	<input type="checkbox"/>	Shellfish beds
<input type="checkbox"/>	Marine Mammal usage area	<input type="checkbox"/>	Abalone
<input type="checkbox"/>	Eelgrass beds	<input type="checkbox"/>	Lingcod
<input type="checkbox"/>	Kelp beds	<input type="checkbox"/>	Rockfish rearing/nursery areas
<b>C5 REFERENCE STATION DATA</b>			
<input type="checkbox"/>		Video data and Sediment Sampling	

### PART III - SECTION D: MANAGEMENT PLANS

The following facility management plans must be attached to your application. Check each box to confirm is attached.

IS ATTACHED	PLAN
<input type="checkbox"/>	<b>D1 INVENTORY PLAN</b> - A 24 month Inventory Plan for all licensed species including biomass and age class.
<input type="checkbox"/>	<b>D2 CONTAINMENT ARRAY MANAGEMENT PLAN</b> - describes the structural operational components and location of compliance monitoring stations.
<input type="checkbox"/>	<b>D3 HEALTH MANAGEMENT PLAN (HMP)</b> - outlines the actions or procedures that operator must use at a facility to meet fish health requirements.
<input type="checkbox"/>	<b>D4 ESCAPE PREVENTION AND RESPONSE PLAN</b> - outlines the infrastructure and practices employed to prevent the escape of cultured fish into the marine environment.
<input type="checkbox"/>	<b>D5 MARINE MAMMAL INTERACTION MANAGEMENT PLAN</b> - describes measures to deter and minimize predator interactions.

**NOTE:** Upon approval, the CONTAINMENT ARRAY AND HEALTH MANAGEMENT PLANS will be incorporated into the Conditions of Licence.



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## PART IV – INFORMATION FOR TRANSPORT CANADA (TC)

The following information, along with Part I and Part V is required for the review of the federal *Navigation Protection Act* (NPA) approval.

### PART IV - SECTION A: SITING CONSIDERATIONS

Applicants may be required to provide additional information in some situations.

### PART IV - SECTION B: ADDITIONAL TRANSPORT CANADA INFORMATION

1. Waterway Name: Sargeaunt's Passage	
Width (m): 930.00	Depth Range (m): 100.00
2. Nearest Community: Port McNeill	
3. Is this Work:	<input type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> Modification of Existing Work
4. To help with the review process, please include the following if available. Check each box to confirm is attached.	
<input type="checkbox"/> Photographs at the site of the proposed/existing work and surrounding area	
<input type="checkbox"/> Environmental Assessment documents (if any)	





## PART V – INFORMATION FOR ALL AGENCIES

Incomplete applications will be returned to applicant.

### PROVINCIAL FEES:

Application fees for Crown land tenures are due upon submission. Fees for new applications and amendments to existing tenures are established in the Crown Land Fee regulation – see link [http://www.bclaws.ca/civix/document/id/lc/statreg/177\\_2003](http://www.bclaws.ca/civix/document/id/lc/statreg/177_2003). Note that the fee structure does not include that taxes that apply.

### Forms of payment:

- Cheques or Money orders must be in Canadian Funds to Minister of Finance.  
(FrontCounter BC will not accept personal cheques drawn on US banks, regardless of what currency.)
- Debit Card (in-person only).
- Visa, AMEX and MasterCard payments are accepted in-person or over the telephone. To locate a FrontCounter BC office, visit the website at <http://www.frontcounterbc.gov.bc.ca/contact/> or call the toll free number 1-877-855-3222.

**FEDERAL FEES:** <http://www.pac.dfo-mpo.gc.ca/aquaculture/licence-permits/index-eng.html>. Federal fees will be invoiced prior to licensing and are only payable online using the National Online Licensing System.

**DISCLOSURE:** The information you provide may be subject to the following legislation: British Columbia *Freedom of Information and Protection of Privacy Act* (FOIPPA); the federal *Access to Information Act*; and the federal *Privacy Act*. Personal information is collected by FrontCounter BC under the legal authority of section 28 (c) and 27 (1) of the *Freedom of Information and Protection of Privacy Act* (the Act). The collection, use, and disclosure of personal information is subject to the provisions of the Act. The personal information collected by FrontCounter BC will be used to process your inquiry or application(s). It may also be shared when strictly necessary with partner agencies that are also subject to the provisions of the Act. The personal information supplied in the application package may be used for referrals or notifications as required. Personal information may be used by FrontCounter BC for survey purposes. For more information regarding the collection, use, and/or disclosure of your personal information by FrontCounter BC, please contact FrontCounter BC at 1-877-855-3222 or at: FrontCounter BC Program Director, FrontCounter BC, Provincial Operation, 441 Columbia Street, Kamloops, BC V2C 2T3 or the Director, Access to Information and Privacy Secretariat at the Department of Fisheries and Oceans Canada and Transport Canada. The Province of British Columbia, Fisheries and Oceans Canada, and Transport Canada do not consider the information submitted in this form to be confidential unless it is subject to the privacy protection of the *Freedom of Information and Protection of Privacy Act* or the *Access to Information Act*.

I understand that the information supplied will be used to review my applications under the BC Land Act, BC Seafood Act, federal Fisheries Act and the Federal Navigation Protection Act and information will be shared amongst the other agencies, First Nations and/or with the public.

**IMPORTANT:** Federal regulations require that applications submitted on behalf of a company be signed by a company director. Please email [aquaculture.licensing@dfo-mpo.gc.ca](mailto:aquaculture.licensing@dfo-mpo.gc.ca) for direction regarding supporting documentation.\*

Signature(s) of applicant(s)  
or authorized representative

Printed name(s) of Applicant(s)  
or authorized representative\*

Date (yyyy/mm/dd)

[Redacted Signature]

[Redacted Name]

2018/01/24

\*If signature is by an authorized representative please supply a letter granting authorization to act on behalf of the applicant.



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## Submit completed application, and additional supporting information (if applicable) to:

### BY EMAIL:

Email Subject line: **Proponent Name, Application Type**

Attachments: The application and attachments to be submitted as one "unprotected" PDF document. If not, name as following:  
**Proponent\_Application Type\_1of2**  
**Proponent\_Description of Supporting documents\_2of2**

Email to: **WestCoast.LandReferrals@gov.bc.ca**

Fees: Upon review of your application, you will be notified by FrontCounter BC of the applicable provincial application fee.

### IN PERSON:

Any FrontCounter BC office.

Visit **<http://www.frontcounterbc.gov.bc.ca>** for the location nearest you.

### BY MAIL:

FrontCounter BC, 142-2080 Labieux Road, Nanaimo, BC V9T 6J9

PLEASE RETAIN A COPY OF THIS APPLICATION FOR YOUR RECORDS

APPLICATIONS ARE NOT TRANSFERABLE

THE SUBMISSION OF THIS FORM DOES NOT IN ANY MANNER CONVEY ANY RIGHTS TO USE OR OCCUPY CROWN LAND AND/OR CONDUCT REQUESTED ACTIVITIES



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**FOR INTERNAL USE ONLY  
(DO NOT COMPLETE THIS PAGE IF FILLING IN APPLICATION ELECTRONICALLY)**

**Site Information:**

Site Common Name **Sargeaunt Passage**

DFO Facility Reference Number	Land File Number	Intensive Use Area of Site (ha)	Extensive Use Area of Site (ha)	Total Area (ha)
1059	1403328	15	25	40

**Proposed Cage Arrays:**

DESCRIPTION	CAGE ARRAY 1	CAGE ARRAY 2	CAGE ARRAY 3	CAGE ARRAY 4	CAGE ARRAY 5	CAGE ARRAY 6
QUANTITY	12					
CONFIGURATION	2 x 6					
DIMENSIONS *	120					
TOTAL AREA**	63,948					

**Proposed Ancillary and Navigational Structures:**

DESCRIPTION	House	Feed Barge	Utility Float	Transfer Pen	
QUANTITY	1	1	3	4	
DIMENSIONS *	12 x 18	12 x 18	6 x 10	15x15	
TOTAL AREA**	216	216	180	1,444	

**NOTE:** Only first 5 rows of the Ancillary structures are listed here, remainder on page 9 of the application.

\*Dimensions (m OR m2) for each structure

\*\* Total Area including all walkways or area between circular cages



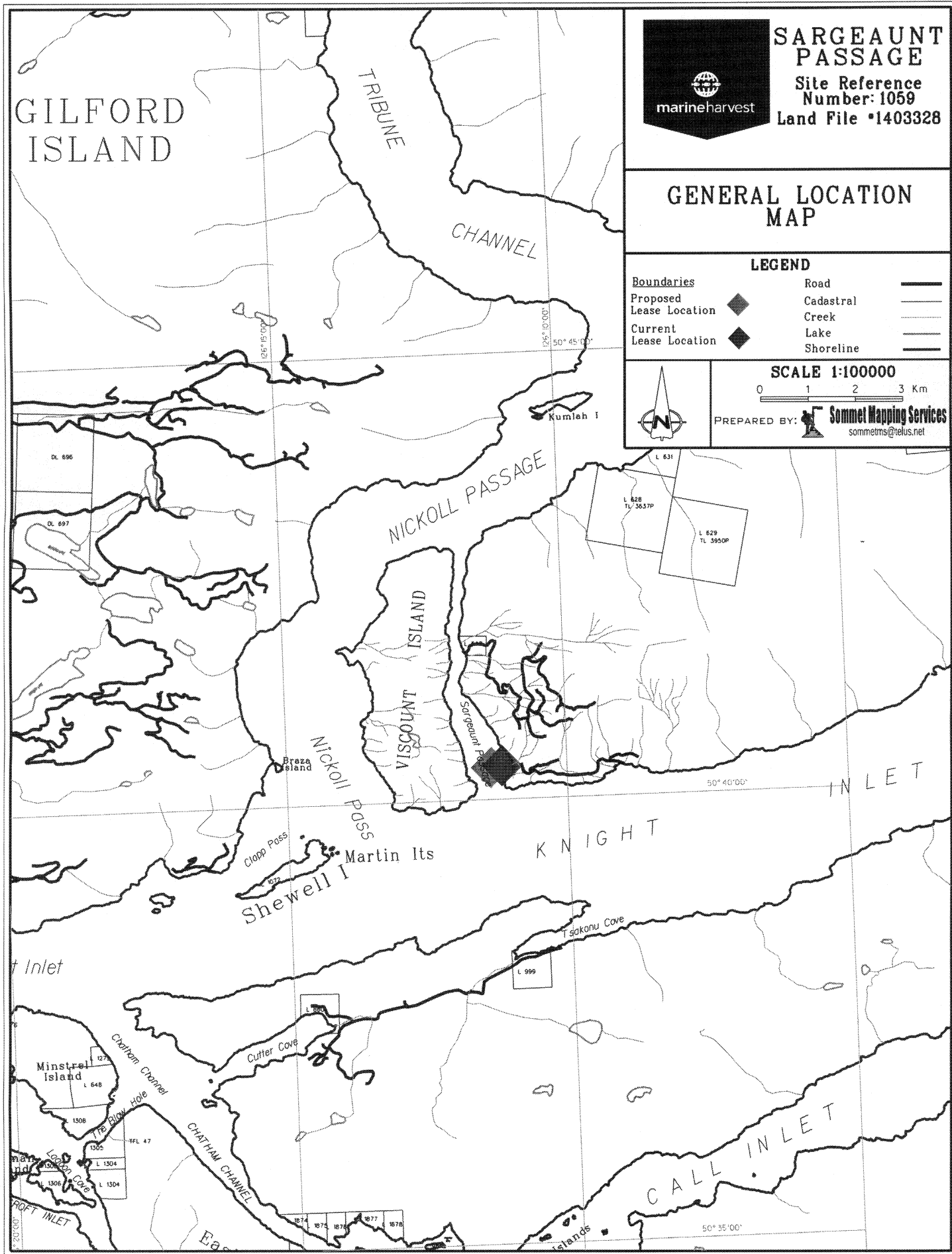
<b>PACIFIC MARINE FINFISH AQUACULTURE AMENDMENT APPLICATION</b>			
<b>LIST OF ATTACHMENTS</b>			<b>Attachment</b>
<b>PART I – GENERAL INFORMATION</b>			
<b>Section E: Maps, Diagrams, and Additional Required Documents</b>			
	1.	General Location Map	1
	2.	Detailed Location Map	1
	3.	Shape Files	Digital submission
	4.	Top View Operational Diagram (2x6 120m circles)	1
	5.	Side View Operational Diagrams (2x6 120m circles)	1
	7.	Intensive Use Area of Site	2

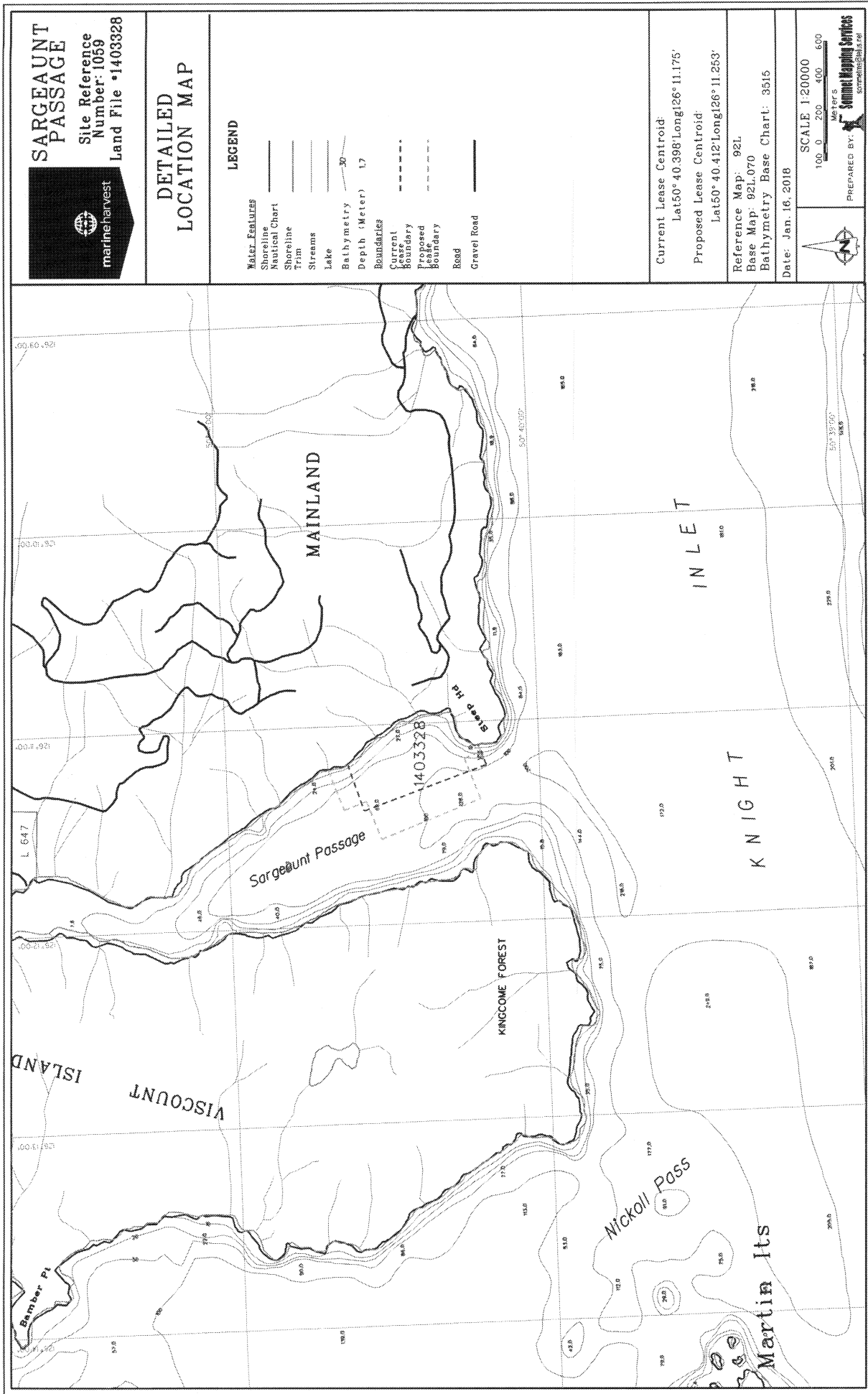
## **Attachment #1**

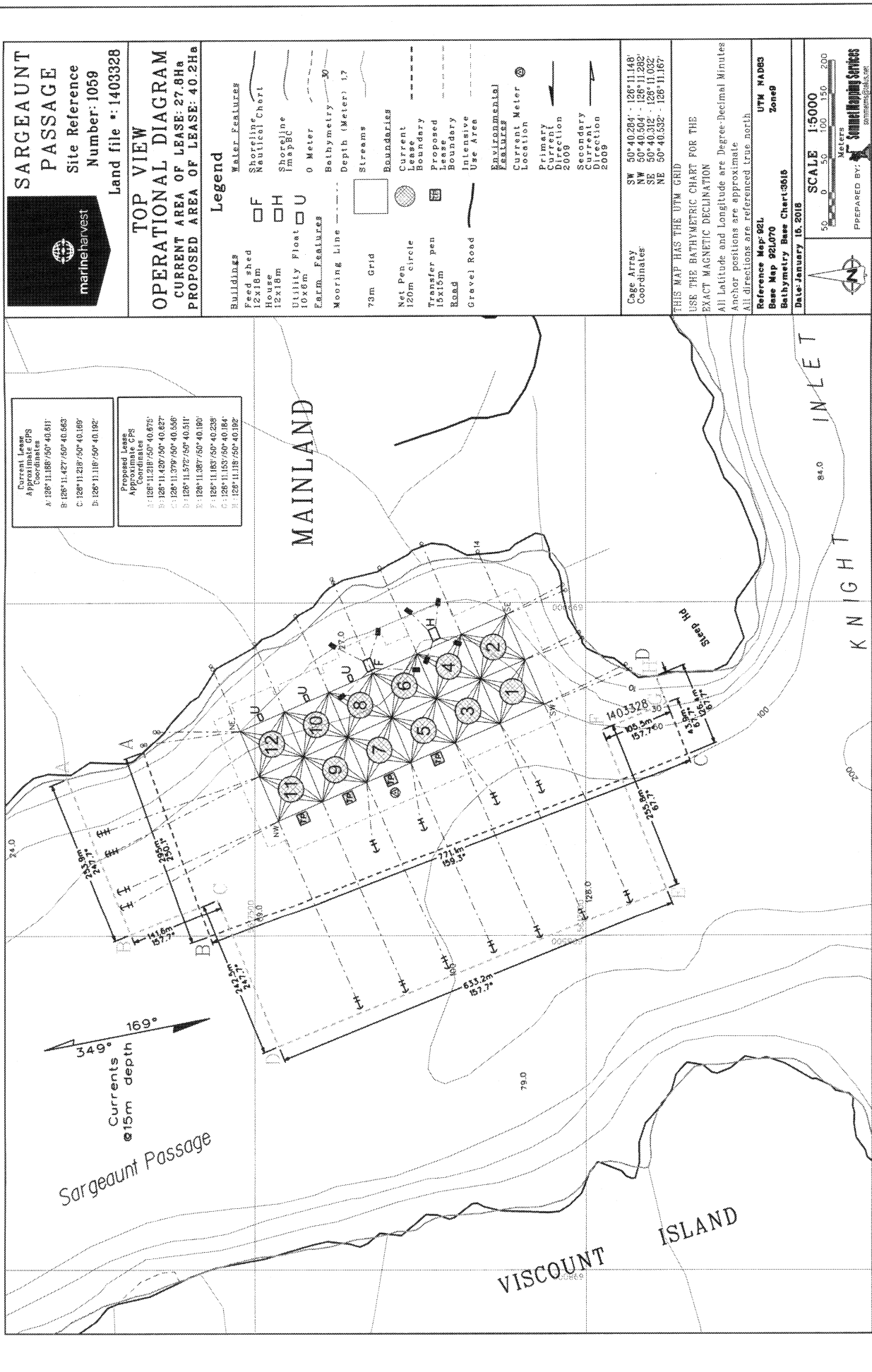
### **Part I - General Applicant Information**

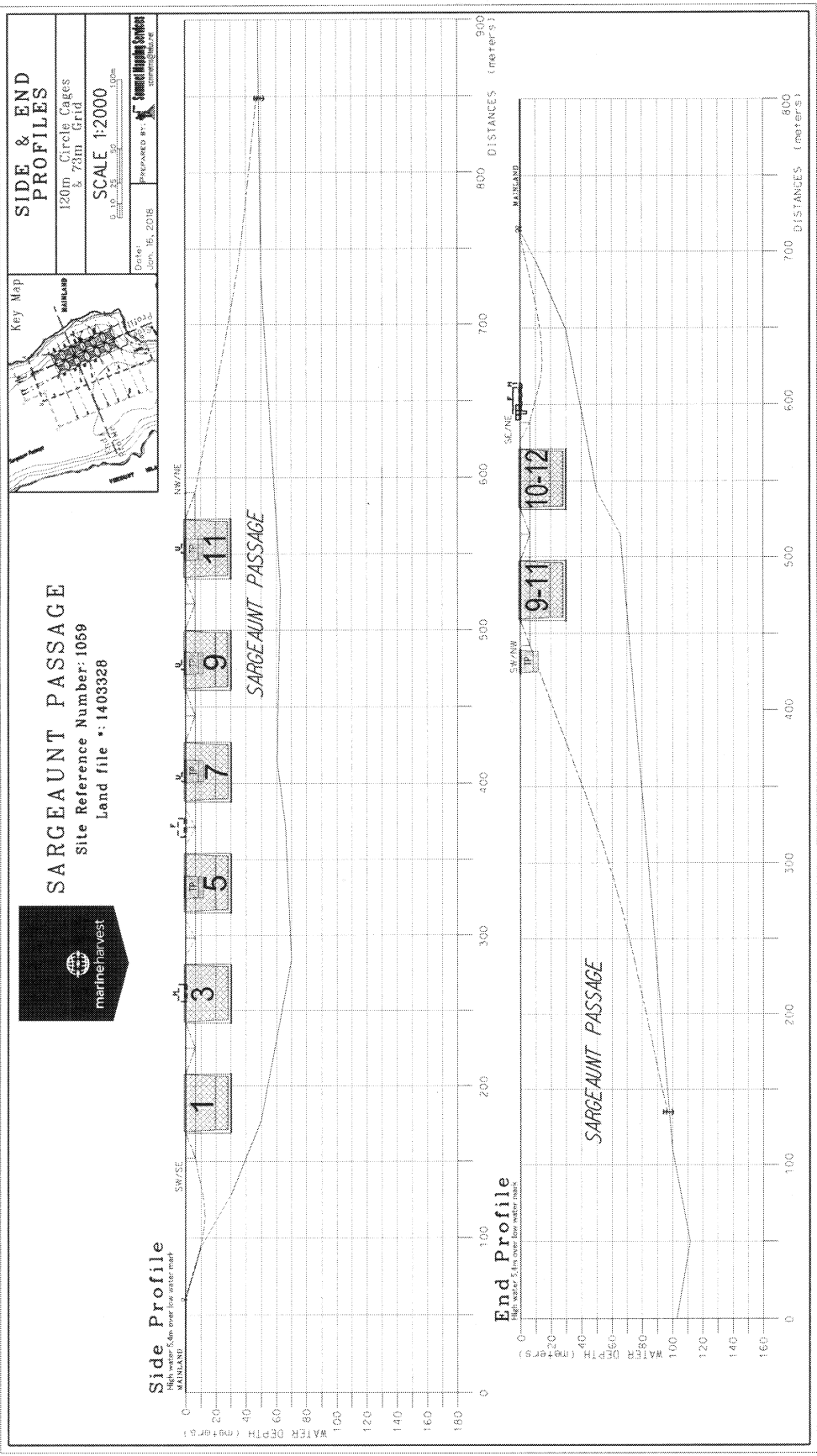
#### **Section E: Maps, Diagrams, and Additional Required Documents**

1.	General Location Map
2.	Detailed Location Map
4.	Top View Operational Diagram (2x6 120m circles)
5.	Side View Operational Diagrams (2x6 120m circles)









## **Attachment #2**

### **Part I - General Applicant Information**

#### **Section E: Maps, Diagrams, and Additional Required Documents**

7.	Intensive Use Area of Site
----	----------------------------

INTENSIVE USE AREA		
Site Name:	<b>Sargeaunts Pass</b>	Date: <b>January 24, 2018</b>

<b>Circle Cages (120m)</b>				
grid size (m):	73			
configuration:	2	rows of	6	cages
	width	length	m <sup>2</sup>	
area at sea level	146	438	63948	m <sup>2</sup>
Intensive use area	206	498	102588	m <sup>2</sup>

<b>Circle Cages (120m)</b>				
grid size (m):	73			
configuration:	2	rows of	6	cages
	width	length	m <sup>2</sup>	
area at sea level	146	438	63948	m <sup>2</sup>
Intensive use area	206	498	102588	m <sup>2</sup>

<b>House</b>			
# of float houses:	1		
	width	length	m <sup>2</sup>
area at sea level	12	18	216
Intensive use area	72	78	5616
Total Intensive Use Area	5616 m <sup>2</sup>		

<b>House</b>			
# of float houses:	1		
	width	length	m <sup>2</sup>
area at sea level	12	18	216
Intensive use area	72	78	5616
Total Intensive Use Area	5616 m <sup>2</sup>		

<b>Feed Barge</b>			
# of feed sheds:	1		
	width	length	m <sup>2</sup>
area at sea level	12	18	216
Intensive use area	72	78	5616
Total Intensive Use Area	5616 m <sup>2</sup>		

<b>Feed Barge</b>			
# of feed sheds:	1		
	width	length	m <sup>2</sup>
area at sea level	12	18	216
Intensive use area	72	78	5616
Total Intensive Use Area	5616 m <sup>2</sup>		

<b>Utility Floats</b>			
# of utility floats:	3		
	width	length	m <sup>2</sup>
area at sea level	6	10	60
Intensive use area	66	70	4620
Total Intensive Use Area	13860 m <sup>2</sup>		

<b>Utility Floats</b>			
# of utility floats:	3		
	width	length	m <sup>2</sup>
area at sea level	6	10	60
Intensive use area	66	70	4620
Total Intensive Use Area	13860 m <sup>2</sup>		

<b>Transfer pens</b>			
# of transfer pens:	4		
	width	length	m <sup>2</sup>
area at sea level	15	15	225
Intensive use area	79	79	6241
Total Intensive Use Area	24964 m <sup>2</sup>		

<b>Transfer pens</b>			
# of transfer pens:	4		
	width	length	m <sup>2</sup>
area at sea level	15	15	225
Intensive use area	79	79	6241
Total Intensive Use Area	24964 m <sup>2</sup>		

Circle Cages (120m)	102588	
House	5616	
Feed Barge	5616	
Utility Floats	13860	
Transfer pens	24964	
Total IUA	152644	m <sup>2</sup>
	15	Hectares
Total EUA	125356	m <sup>2</sup>
	13	Hectares
Total Lease Area	278000	m <sup>2</sup>

Circle Cages (120m)	102588	
House	5616	
Feed Barge	5616	
Utility Floats	13860	
Transfer pens	24964	
Total IUA	152644	m <sup>2</sup>
	15	Hectares
Total EUA	249356	m <sup>2</sup>
	13	Hectares
Total Lease Area	402000	m <sup>2</sup>



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# ***Glacier Falls*** LF#1405180

## **Pacific Marine Finfish Aquaculture Amendment Application**

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**Submitted to:**

**Front Counter BC**

**2080a Labieux Road**

**Nanaimo, BC**

**V9T 6J9**

**Submitted by:**

**Marine Harvest Canada**

**Suite #124-1334 Island Highway**

**Campbell River, BC**

**V9W 8C9**

***January 24, 2018***

MARINE HARVEST ASA



FrontCounter BC  
2080a Labieux Road,  
Nanaimo, B.C.  
V9T 6J9

January 24, 2018.

To whom it may concern,

**RE: REQUEST FOR TENURE REPLACEMENT AT GLACIER FALLS LF#1405180**

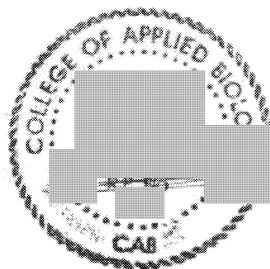
The Marine Harvest Canada Inc. (MHC) Glacier Falls aquaculture tenure expires on June 20, 2018. At the request of the Ministry of Forests, Lands, Natural Resource Operations and Rural Development a Pacific Marine Finfish Aquaculture Amendment Application is attached detailing the tenure and on site improvements.

Please note that MHC is applying to increase the tenure boundary at Glacier Falls. As per site engineering the system requires adequate anchor line scope to ensure site safety and security.

No changes to site infrastructure, species, or production is included in this application.

Please accept the enclosed information as our intention to initiate replacement of the Glacier Falls aquaculture tenure.

Sincerely,



[Redacted]  
Marine Harvest Canada  
Campbell River, BC  
Tel: (250) 850-3276 ext [Redacted]  
Cell: [Redacted]

Fax: (250) 850-3275  
[www.marineharvestcanada.com](http://www.marineharvestcanada.com)

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FOR INTERNAL USE	
File Number:	Project Number:
Disposition Number:	Client Number:

## PACIFIC MARINE FINFISH AQUACULTURE AMENDMENT

### APPLICATION

MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS  
FISHERIES AND OCEANS CANADA  
TRANSPORT CANADA

Prior to completing this application refer to the approved **Federal Aquaculture Licence and Provincial Site Management plans** for details on currently approved activities at the site. If you require a copy, please contact FLNRO at [WestCoast.LandReferrals@gov.bc.ca](mailto:WestCoast.LandReferrals@gov.bc.ca)

## PART I – GENERAL INFORMATION

**?** Any time you see this symbol, hold mouse pointer over top and additional information will appear.

For each question, select only one check box or circle unless otherwise directed.

### PART I - SECTION A1: AMENDMENT SUMMARY

Provide a general overview of the proposed amendment: **?**

RE: REQUEST FOR TENURE REPLACEMENT AT GLACIER FALLS LF#1405180

The Marine Harvest Canada Inc. (MHC) Glacier Falls aquaculture tenure expires on June 20, 2018. At the request of the Ministry of Forests, Lands, Natural Resource Operations and Rural Development a Pacific Marine Finfish Aquaculture Amendment Application is attached detailing the tenure and on site improvements.

Please note that MHC is applying to increase the tenure boundary at Glacier Falls. As per site engineering the system requires adequate anchor line scope to ensure site safety and security.

No changes to site infrastructure, species, or production is included in this application.

Please accept the enclosed information as our intention to initiate replacement of the Glacier Falls aquaculture tenure.



Additional Pages or Supporting Material Attached:

☒ Yes


☐ No



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**PART I – SECTION A2: AMENDMENT TYPE (CHECK ALL THAT APPLY)**

<input checked="" type="checkbox"/> <b>Tenure Area Change</b>	
<input checked="" type="checkbox"/> Expansion  <input type="checkbox"/> Reduction	Complete the following: PART I PART II PART III: Section C PART IV PART V
<input type="checkbox"/> <b>Infrastructure</b>	
<input type="checkbox"/> Addition of <u>Infrastructure</u>  <input type="checkbox"/> Change meets conditions of "Incidental Aquaculture Use" (IAU) 	Complete the following: PART I PART II: complete only if does not meet IAU PART III: Sections B (if applicable), C & D PART IV PART V
<input type="checkbox"/> Removal	Complete the following: PART I PART III PART V
<input type="checkbox"/> <b>Species and/or Production</b>	
<input type="checkbox"/> Addition of Species  <input type="checkbox"/> Change in Production  <input type="checkbox"/> Removal	Complete the following: PART I: Sections A, B & C PART III : Sections A, C & D PART V



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**PART I - SECTION B1: FEDERAL APPROVAL APPLICANT INFORMATION**



☒ CHECK THIS BOX IF SAME APPLICANT INFORMATION WILL BE USED FOR PROVINCIAL APPROVAL

<b>1. Applicant Type (complete only one type):</b>		
<input checked="" type="checkbox"/> Registered Business	Registered Business Name: Marine Harvest Canada	
	BC Inc. #, BC Registration # or BC Society #: BC0812200	
<input type="checkbox"/> Individual(s)		
First:	Middle:	Last:
<b>2. Applicant Mailing Address:</b>		
Suite 124-1334 Island Highway Campbell River, B.C. V9W 8C9 Canada		Telephone: (250) 850-3276
		Cell: [REDACTED]
		Fax: (250) 850-3275
		Email: [REDACTED]
<b>3. Physical Business Address:</b>		
<input checked="" type="checkbox"/> Same as above		
<b>4. Primary Contact Mailing Address:</b>		
<input checked="" type="checkbox"/> Same as above		
Name: [REDACTED]		
Telephone: (250) 850-3276		
Cell: [REDACTED]		
Fax: (250) 850-3275		
Email: [REDACTED]		
<b>5. Agent/Representative Mailing Address:</b>		
Letter of Authorization Enclosed: <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A		
Name:		
Telephone:		
Cell:		
Fax:		
Email:		



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**PART I – SECTION B2: PROVINCIAL APPROVAL APPLICANT INFORMATION**

(COMPLETE SECTION B2 ONLY IF APPLICANT INFORMATION IS DIFFERENT THAN SECTION

<b>1. Applicant Type (complete only one type):</b>		
<input type="checkbox"/> Registered Business	Registered Business Name:	
	Business Number:	
<input type="checkbox"/> Individual(s)		
First:	Middle:	Last:
<b>2. Applicant Mailing Address:</b>		Telephone:
		Cell:
		Fax:
		Email:
<b>3. Physical Business Address:</b>		
<input type="checkbox"/> Same as above		
<b>4. Primary Contact Mailing Address:</b>		<input type="checkbox"/> Same as above
		Name:
		Telephone:
		Cell:
		Fax:
		Email:
<b>5. Agent/Representative Mailing Address:</b>		Letter of Authorization Enclosed: <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
		Name:
		Telephone:
		Cell:
		Fax:
		Email:



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## PART I – SECTION C: SITE GENERAL INFORMATION

1. DFO Facility Reference Number: 821	
2. Land File Number: 1405180	
3. Navigation Protection Program Number: 2002-500914-001 (T5976)	
4. Site Common Name: Glacier Falls	
5. Pacific Fishery Management Area (PFMA): 12	Sub Area: 35

## PART I - SECTION D: LICENSED AREA CHANGE



1. Land Ownership and/or Tenure Type:			
<input checked="" type="checkbox"/> Provincial Crown Land (if Crown land: <input type="radio"/> Lease <input checked="" type="radio"/> Licence of Occupation <input type="radio"/> Investigative Use Licence)			
<input type="checkbox"/> Federal Land			
<input type="checkbox"/> Private Land			
<input type="checkbox"/> Harbour Authority			
<input type="checkbox"/> First Nation Reserve			
<input type="checkbox"/> Other (describe):			
2. GPS coordinates for the center of the application area / tenure (Report in Degree Decimal Minutes):		Latitude (DD DD.ddddd): 50 50.786	
		Longitude (DD DD.ddddd): 126 19.222	
3. Estimated Application Area	CURRENTLY LICENSED (hectares)	PROPOSED CHANGE (hectares) <input checked="" type="checkbox"/> Add <input type="checkbox"/> Remove	PROPOSED CUMULATIVE TOTAL (hectares)
Intensive Use Area of Site	7	0	7
Extensive Use Area of Site	15	22	37
Estimated Total Area of Site	22	22	43



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## PART I - SECTION E: MAPS, DIAGRAMS AND ADDITIONAL REQUIRED DOCUMENTS

Check each box to confirm attached	Attach the following maps, diagrams and documents in Adobe format (.pdf). They must be submitted with a title, to scale and be consistent with the other information in this application. Please refer to the Mapping Descriptions and Sample Mapping located in the Guide to Pacific Marine Finfish Aquaculture. All maps should be provided using <b>CHS Marine Charts</b> unless specified otherwise.
<input checked="" type="checkbox"/>	1. <b>General Location Map:</b> A 1:50,000 to 1:100,000 indicating the general location of area under application, noting the location of significant geographic features, such as a lake, mountain, road, community, etc.
<input checked="" type="checkbox"/>	2. <b>Detailed Location Map:</b> A map with a scale between 1:20,000 and 1:40,000, showing the detailed location of the area under application.
<input checked="" type="checkbox"/>	3. <b>Application Area Map (submit one of the following):</b> (a) <b>Shape file:</b> Attach a shapefile or ".kmz" file, geo-referenced to BC Albers projection (NAD 83), including a reference map with a Point of Commencement (POC) ; <b>OR</b> (b) <b>Metes &amp; Bounds:</b> A <b>topographic map</b> showing a UTM/latitude and longitude of POC and a corresponding text description on a separate piece of paper that describes the metes & bounds of the proposed shape.
<input checked="" type="checkbox"/>	4. <b>Top View Operational Diagram(s):</b> (a) A 1:5000 scale site plan showing proposed change(s) to existing tenure boundaries and: (i) <u>new containment array</u> . If several arrays are proposed, provide one site plan per array; <b>AND/OR</b> (ii) any proposed changes to <u>existing containment array(s)</u> . If changes are proposed to several containment arrays, provide one site plan per array; <b>AND</b> (b) A single 1:5000 scale site plan showing currently licenced containment array(s) and all proposed additions and/or changes as outlined in 4(a).
<input checked="" type="checkbox"/>	5. <b>Side View Operational Diagram:</b> A map(s) showing a cross section diagram of the containment array(s) that itemize all structures above the surface and include all underwater structures and the high and low water mark.
<input type="checkbox"/>	6. <b>Habitat Map:</b> A 1:5000 map showing boundaries of the application area and including habitat characteristics from the habitat assessments.
<input checked="" type="checkbox"/>	7. <b>Intensive Use Area of site (Hectares):</b> Attach a worksheet showing the total Intensive Use Area (IUA) calculation for the infrastructure configuration which occupies the largest IUA.

## PART I - SECTION F: FIRST NATIONS CONSIDERATION

Canada and the Province of British Columbia are legally obligated to consult and, where appropriate, accommodate First Nations on decisions that could impact treaty rights or aboriginal rights and title ("Aboriginal Interests"). Federal and Provincial decision-makers are responsible for ensuring adequate and appropriate consultation and accommodations.

For more information please review the information available on the Ministry of Forests, Lands and Natural Resource Operations website: 'Consulting with First Nations'; specifically proponents are advised to review: "Guide to Involving Proponents When Consulting First Nations" (<http://www2.gov.bc.ca/gov/content/environment/natural-resource-stewardship/consulting-with-first-nations>).

Proponents are encouraged to engage with First Nations as early as possible in the planning stages to build relationships and for information sharing purposes. You may use the Province's Consultative Areas Database to identify which First Nations to engage: <http://geobc.gov.bc.ca>.

Is a summary of information sharing attached? ☐ Yes ☒ No





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# PART I - SECTION G: INFRASTRUCTURE INFORMATION SECTION G1 – CONTAINMENT ARRAY(S) ?

1. Proposed changes to Containment Array(s):			
DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input checked="" type="checkbox"/> Square <input type="checkbox"/> Circle	<input checked="" type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input checked="" type="checkbox"/> Square <input type="checkbox"/> Circle <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">?</span>
QUANTITY	8		8
CONFIGURATION	1x8		1x8
DIMENSIONS *	30		30
TOTAL AREA **	8,772		8,772

\*Dimensions (m) for each structure

\*\* Total area is calculated using the length and width of the outside edges, including walkways of a square cage array and the length and width of the outer circle anchoring grid for circle cages.

\*\*\* Proposed change (difference between currently licensed and proposed cumulative total)

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY			
CONFIGURATION			
DIMENSIONS *			
TOTAL AREA **			

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY			
CONFIGURATION			
DIMENSIONS *			
TOTAL AREA **			



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**PART I SECTION G1 – CONTAINMENT ARRAY(S) CONTINUED: ?**

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle ?
QUANTITY			
CONFIGURATION			
DIMENSIONS *			
TOTAL AREA **			

\*Dimensions (m) for each structure

\*\* Total area is calculated using the length and width of the outside edges, including walkways of a square cage array and the length and width of the outer circle anchoring grid for circle cages.

\*\*\* Proposed change (difference between currently licensed and proposed cumulative total)

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY			
CONFIGURATION			
DIMENSIONS *			
TOTAL AREA **			

DESCRIPTIONS	CURRENTLY LICENSED	PROPOSED CHANGE ***	PROPOSED CUMULATIVE TOTAL
CAGE ARRAY	<input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> No Changes <input type="checkbox"/> Add <input type="checkbox"/> Remove <input type="checkbox"/> Square <input type="checkbox"/> Circle	<input type="checkbox"/> Square <input type="checkbox"/> Circle
QUANTITY			
CONFIGURATION			
DIMENSIONS *			
TOTAL AREA **			



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## PART I - SECTION G2: ANCILLARY AND NAVIGATIONAL STRUCTURES

### 2. Proposed Ancillary and Navigational Structures:

For applications with more than one cage array proposed, please review ancillary section in the Guide to Marine Finfish Aquaculture Application.

DESCRIPTION	PROPOSED CHANGE	QUANTITY	DIMENSIONS (m)	TOTAL AREA (m <sup>2</sup> )
<i>e.g. Feed barge</i>	<input checked="" type="checkbox"/> Add or <input checked="" type="checkbox"/> Remove	1	40m x 30 m	1450m <sup>2</sup>
Feed Barge	<input type="checkbox"/> Add <input type="checkbox"/> Remove	1	12x18	216
Float House	<input type="checkbox"/> Add <input type="checkbox"/> Remove	1	12x18	216
Transfer Pens	<input type="checkbox"/> Add <input type="checkbox"/> Remove	4	15x15	1,444
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Buoys	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Anchor Blocks	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Mooring lines	<input type="checkbox"/> Add <input type="checkbox"/> Remove			
Other:				



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## PART II – INFORMATION FOR THE BC MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS (FLNR)

The following information, along with Part I and Part V is required for the review of the Provincial Crown Land Tenure application to an existing tenure pursuant to the BC *Land Act*.

### PART II - SECTION A: SITING CONSIDERATIONS



Applicants must respond to each consideration and may be required to provide additional information in some situations

1. Does your proposal infringe on the riparian rights of an upland owner?		<input type="radio"/> Yes <input checked="" type="radio"/> No
Letter of upland owner consent enclosed:		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
2. Is the intended use consistent with approved local government bylaws for land use planning and zoning?		<input type="radio"/> Yes <input type="radio"/> No
Provide the name of the local government(s) for the area under application: Mount Waddington Regional District		
Describe any applicable bylaws or zoning for the proposed area: Existing tenure use is grandfathered.		
If <u>No</u> , have you contacted the local government?		<input type="radio"/> Yes <input type="radio"/> No
Summary of interactions with local government attached:		<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
3. Is the site situated greater than 1 km in all directions from a First Nations reserve?		<input checked="" type="radio"/> Yes <input type="radio"/> No
If "No", written support from the First Nation(s) is attached:		<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
4. Is the site situated greater than 1 km in a direct line of sight from existing federal parks, regional district parks, provincial parks, marine protected areas, and conservancies (or approved proposals for these)?		<input checked="" type="radio"/> Yes <input type="radio"/> No
If <u>No</u> , have you contacted the relevant agency?		<input type="radio"/> Yes <input checked="" type="radio"/> No
Summary of correspondence with governing agency enclosed:		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
5. Is the site situated greater than 1 km from ecological reserves smaller than 1000 ha or approved proposals for ecological reserves smaller than 1000 ha?		<input checked="" type="radio"/> Yes <input type="radio"/> No
Summary of communication with BC Parks is attached:		<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A



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## PART II - SECTION A: SITING CONSIDERATIONS CONTINUED:

6. Is the site situated greater than 1 km from the mouth of an anadromous salmonid-bearing stream determined as significant by the Province?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Supporting documents is attached:	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
Provide the title of the supporting document(s) attached: ?	
7. Is the Intended use consistent with a local area plan or Coastal Zone Management Plan? ?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
Identify the relevant plan(s) and describe any applicable sections of those plans for the proposed area: 2015 North Vancouver Island Marine Plan	
Provide details of communications and relevant correspondence with your application.	

## PART II - SECTION B: ADDITIONAL CROWN LANDS INFORMATION

1. Are all applicants Canadian Citizens or Permanent Residents; or if a corporation, registered partnership, cooperative or non-profit society, is it registered in BC?	<input checked="" type="radio"/> Yes <input type="radio"/> No
2. Is/Are applicant(s) 19 years of age or older?	<input checked="" type="radio"/> Yes <input type="radio"/> No
3. For applications made by more than one individual:	<input checked="" type="radio"/> N/A <input type="radio"/> Joint Tenants <u>OR</u> <input type="radio"/> Tenants in Common

## PART II - SECTION C: WATER USE ?

1. Will fresh water be diverted or used at the site for the operation of the facility, living accommodations or other purposes?	<input type="radio"/> Yes (Complete Question 2 & 3)	
	<input checked="" type="radio"/> No planned water usage (continue to Part III)	
2. Fresh water source: (check all that apply)	<input type="checkbox"/> Ground Water ?	<input type="checkbox"/> Surface Water
	Water Source Name:	
3. Do you have any existing water licences and/or have you submitted any water licence applications?	<input type="radio"/> Yes	Application Tracking Number:
		Licence Number:
	<input type="radio"/> No	



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## PART III – INFORMATION FOR FISHERIES AND OCEANS CANADA (DFO)

The following information along with Part I and Part V is required for the review of the federal Aquaculture Licence application pursuant to the federal *Fisheries Act*, *Pacific Aquaculture Regulations*.

### PART III - SECTION A: CULTURED SPECIES AND PRODUCTION

Check all species that you intend to culture and estimate the Combined Peak Biomass in metric tonnes (t).

SPECIES COMMON NAME	CURRENTLY LICENSED	ADD	REMOVE	
Atlantic salmon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Chinook salmon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Coho salmon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sablefish	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rainbow trout	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
*Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Combined Peak Biomass (t):				PROPOSED CUMULATIVE TOTAL

\*If "Other" species are requested, see guidebook for more details.

### PART III - SECTION B: DOMESTIC WASTE MANAGEMENT

COMPLETE THIS SECTION IF APPLYING FOR A NEW SITE OR MODIFYING LIVING ACCOMMODATION TO AN EXISTING SITE

<p>1. Is there a floating living accommodation within the marine waters of the application area? Provide description of domestic sewage treatment works:</p>		<p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p>
<p>2. Location of the sewage discharge point (include depth of outfall line):</p>		





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### PART III - SECTION C: WILD FISH, FISH HABITAT AND SITING CONSIDERATIONS



**NOTE:** Qualified professionals must conduct the habitat assessment and sediment sampling survey(s) and reporting.

IS ATTACHED	NOT REQUIRED	DOCUMENT (Check each box to confirm that documents are attached)	
<b>C1 MODELING &amp; CURRENTS</b>			
<input type="checkbox"/>		1.1 Diagram(s) of prediction(s) at maximum feed rate (1g, 5g and 10g contour)	
<input type="checkbox"/>		1.2 Diagram(s) of prediction(s) at average feed rate (1g, 5g and 10g contour)	
<input type="checkbox"/>		1.3 Summary tables and results	
<input type="checkbox"/>		1.4 Current Data	
<b>C2 FISH AND FISH HABITAT SURVEYS</b>			
<input type="checkbox"/>		2.1 Nearshore Survey	
<input type="checkbox"/>		2.2 Deepwater Survey	
<b>C3 SEDIMENT SAMPLING</b>			
<input type="checkbox"/>	<input type="checkbox"/>	* Check "NOT REQUIRED" if substrate cannot be sampled	
<b>C4 SENSITIVE AND CRITICAL HABITAT SURVEY(S) OR DATA</b>			
IS ATTACHED	TYPE	IS ATTACHED	TYPE
<input type="checkbox"/>	Stream survey	<input type="checkbox"/>	Glass sponge complexes
<input type="checkbox"/>	Historic herring spawn	<input type="checkbox"/>	Shellfish beds
<input type="checkbox"/>	Marine Mammal usage area	<input type="checkbox"/>	Abalone
<input type="checkbox"/>	Eelgrass beds	<input type="checkbox"/>	Lingcod
<input type="checkbox"/>	Kelp beds	<input type="checkbox"/>	Rockfish rearing/nursery areas
<b>C5 REFERENCE STATION DATA</b>			
<input type="checkbox"/>		Video data and Sediment Sampling	

### PART III - SECTION D: MANAGEMENT PLANS

The following facility management plans must be attached to your application. Check each box to confirm is attached.

IS ATTACHED	PLAN
<input type="checkbox"/>	<b>D1 INVENTORY PLAN</b> - A 24 month Inventory Plan for all licensed species including biomass and age class.
<input type="checkbox"/>	<b>D2 CONTAINMENT ARRAY MANAGEMENT PLAN</b> - describes the structural operational components and location of compliance monitoring stations.
<input type="checkbox"/>	<b>D3 HEALTH MANAGEMENT PLAN (HMP)</b> - outlines the actions or procedures that operator must use at a facility to meet fish health requirements.
<input type="checkbox"/>	<b>D4 ESCAPE PREVENTION AND RESPONSE PLAN</b> - outlines the infrastructure and practices employed to prevent the escape of cultured fish into the marine environment.
<input type="checkbox"/>	<b>D5 MARINE MAMMAL INTERACTION MANAGEMENT PLAN</b> - describes measures to deter and minimize predator interactions.

**NOTE:** Upon approval, the CONTAINMENT ARRAY AND HEALTH MANAGEMENT PLANS will be incorporated into the Conditions of Licence.



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## PART IV – INFORMATION FOR TRANSPORT CANADA (TC)

The following information, along with Part I and Part V is required for the review of the federal *Navigation Protection Act* (NPA) approval.

### PART IV - SECTION A: SITING CONSIDERATIONS

Applicants may be required to provide additional information in some situations.

### PART IV - SECTION B: ADDITIONAL TRANSPORT CANADA INFORMATION

1. Waterway Name: Tribune Channel	
Width (m): 1,600.00	Depth Range (m): 271.00
2. Nearest Community: Port McNeill	
3. Is this Work:	<input type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> Modification of Existing Work
4. To help with the review process, please include the following if available. Check each box to confirm is attached.	
<input type="checkbox"/> Photographs at the site of the proposed/existing work and surrounding area	
<input type="checkbox"/> Environmental Assessment documents (if any)	





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## PART V – INFORMATION FOR ALL AGENCIES

Incomplete applications will be returned to applicant.

### PROVINCIAL FEES:

Application fees for Crown land tenures are due upon submission. Fees for new applications and amendments to existing tenures are established in the Crown Land Fee regulation – see link

[http://www.bclaws.ca/civix/document/l0/lc/statreg/177\\_2003](http://www.bclaws.ca/civix/document/l0/lc/statreg/177_2003). Note that the fee structure does not include that taxes that apply.

### Forms of payment:

- Cheques or Money orders must be in Canadian Funds to Minister of Finance.  
(FrontCounter BC will not accept personal cheques drawn on US banks, regardless of what currency.)
- Debit Card (in-person only).
- Visa, AMEX and MasterCard payments are accepted in-person or over the telephone. To locate a FrontCounter BC office, visit the website at <http://www.frontcounterbc.gov.bc.ca/contact/> or call the toll free number 1-877-855-3222.

**FEDERAL FEES:** <http://www.pac.dfo-mpo.gc.ca/aquaculture/licence-permis/index-eng.html>. Federal fees will be invoiced prior to licensing and are only payable online using the National Online Licensing System.

**DISCLOSURE:** The information you provide may be subject to the following legislation: British Columbia *Freedom of Information and Protection of Privacy Act* (FOIPPA), the federal *Access to Information Act*, and the federal *Privacy Act*. Personal information is collected by FrontCounter BC under the legal authority of section 28 (c) and 27 (1) of the *Freedom of Information and Protection of Privacy Act* (the Act). The collection, use, and disclosure of personal information is subject to the provisions of the Act. The personal information collected by FrontCounter BC will be used to process your inquiry or application(s). It may also be shared when strictly necessary with partner agencies that are also subject to the provisions of the Act. The personal information supplied in the application package may be used for referrals or notifications as required. Personal information may be used by FrontCounter BC for survey purposes. For more information regarding the collection, use, and/or disclosure of your personal information by FrontCounter BC, please contact FrontCounter BC at 1-877-855-3222 or at: FrontCounter BC Program Director, FrontCounter BC, Provincial Operations, 441 Columbia Street, Kamloops, BC V2C 2T3 or the Director, Access to Information and Privacy Secretariat at the Department of Fisheries and Oceans Canada and Transport Canada. The Province of British Columbia, Fisheries and Oceans Canada, and Transport Canada do not consider the information submitted in this form to be confidential unless it is subject to the privacy protection of the *Freedom of Information and Protection of Privacy Act* or the *Access to Information Act*.

I understand that the information supplied will be used to review my applications under the BC *Land Act*, BC *Seafood Act*, federal *Fisheries Act* and the federal *Navigation Protection Act* and information will be shared amongst the other agencies, First Nations and/or with the public.

**IMPORTANT:** Federal regulations require that applications submitted on behalf of a company be signed by a company director. Please email [aquaculture/licensing@dfo-mpo.gc.ca](mailto:aquaculture/licensing@dfo-mpo.gc.ca) for direction regarding supporting documentation.\*

Signature(s) of applicant(s)  
or authorized representative

Printed name(s) of Applicant(s)  
or authorized representative\*

Date (yyyy/mm/dd)

2018/01/24

\*if signature is by an authorized representative please supply a letter granting authorization to act on behalf of the applicant.

s.19(1)



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## Submit completed application, and additional supporting information (if applicable) to:

### BY EMAIL:

Email Subject line: **Proponent Name, Application Type**

Attachments: The application and attachments to be submitted as one "unprotected" PDF document. If not, name as following:  
**Proponent\_Application Type\_1of2**  
**Proponent\_Description of Supporting documents\_2of2**

Email to: **WestCoast.LandReferrals@gov.bc.ca**

Fees: Upon review of your application, you will be notified by FrontCounter BC of the applicable provincial application fee.

### IN PERSON:

Any FrontCounter BC office.

Visit <http://www.frontcounterbc.gov.bc.ca> for the location nearest you.

### BY MAIL:

FrontCounter BC, 142-2080 Labieux Road, Nanaimo, BC V9T 6J9

PLEASE RETAIN A COPY OF THIS APPLICATION FOR YOUR RECORDS

APPLICATIONS ARE NOT TRANSFERABLE

THE SUBMISSION OF THIS FORM DOES NOT IN ANY MANNER CONVEY ANY RIGHTS TO USE OR OCCUPY CROWN LAND AND/OR CONDUCT REQUESTED ACTIVITIES



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**FOR INTERNAL USE ONLY  
(DO NOT COMPLETE THIS PAGE IF FILLING IN APPLICATION ELECTRONICALLY)**

**Site Information:**

Site Common Name

Glacier Falls

DFO Facility Reference Number	Land File Number	Intensive Use Area of Site (ha)	Extensive Use Area of Site (ha)	Total Area (ha)
821	1405180	7	37	43

**Proposed Cage Arrays:**

DESCRIPTION	CAGE ARRAY 1	CAGE ARRAY 2	CAGE ARRAY 3	CAGE ARRAY 4	CAGE ARRAY 5	CAGE ARRAY 6
QUANTITY	8					
CONFIGURATION	1x8					
DIMENSIONS *	30					
TOTAL AREA**	8,772					

**Proposed Ancillary and Navigational Structures:**

DESCRIPTION	Feed Barge	Float House	Transfer Pens		
QUANTITY	1	1	4		
DIMENSIONS *	12x18	12x18	15x15		
TOTAL AREA**	216	216	1,444		

**NOTE:** Only first 5 rows of the Ancillary structures are listed here, remainder on page 9 of the application.

\*Dimensions (m OR m2) for each structure

\*\* Total Area including all walkways or area between circular cages

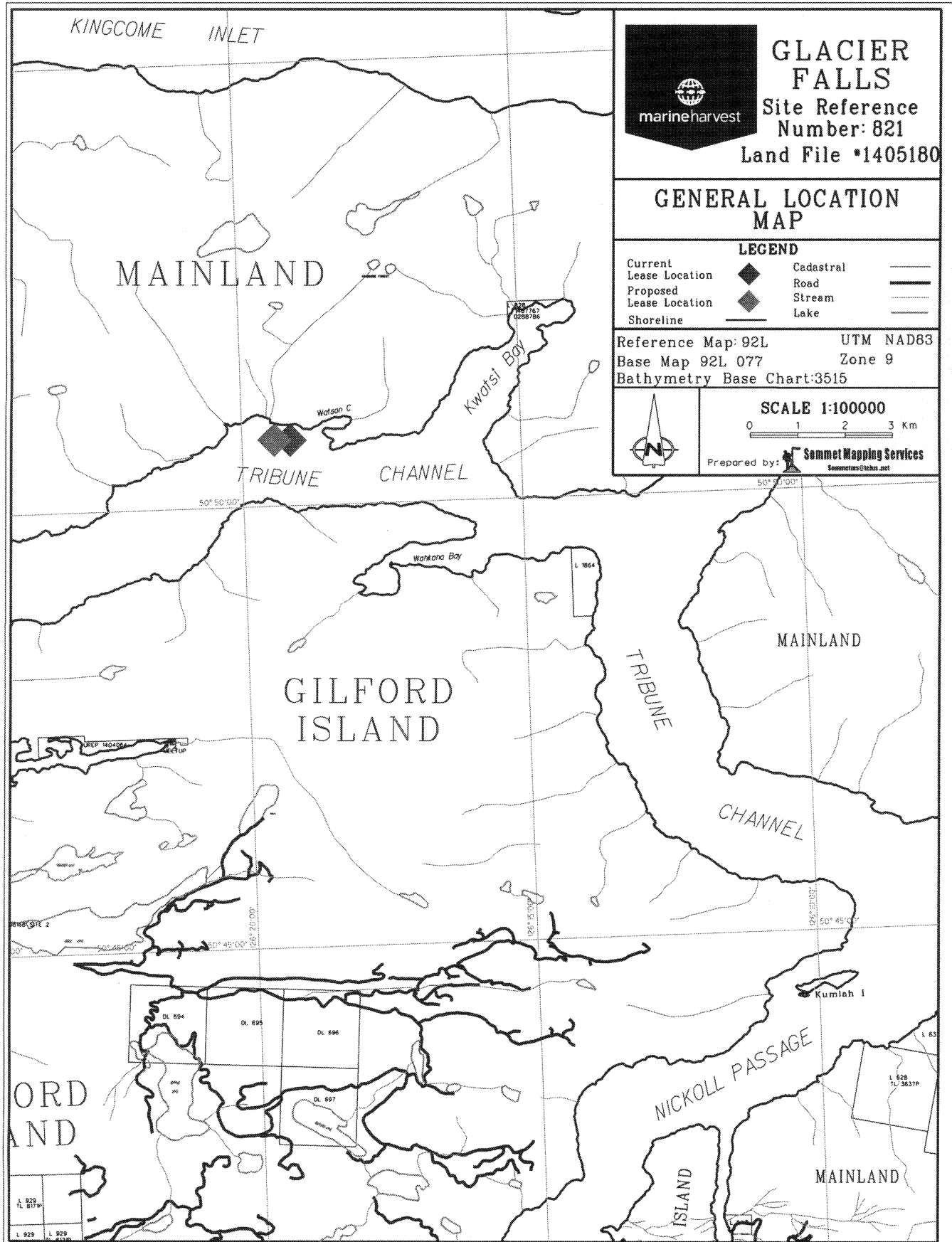
<b>PACIFIC MARINE FINFISH AQUACULTURE AMENDMENT APPLICATION</b>			
<b>LIST OF ATTACHMENTS</b>			<b>Attachment</b>
<b>PART I – GENERAL INFORMATION</b>			
<b>Section E: Maps, Diagrams, and Additional Required Documents</b>			
	1.	General Location Map	1
	2.	Detailed Location Map	1
	3.	Shape Files	Digital submission
	4.	Top View Operational Diagram (1x8 30m squares)	1
	5.	Side View Operational Diagrams (1x8 30m squares)	1
	7.	Intensive Use Area of Site	2

## **Attachment #1**

### **Part I - General Applicant Information**

#### **Section E: Maps, Diagrams, and Additional Required Documents**

1.	General Location Map
2.	Detailed Location Map
4.	Top View Operational Diagram (1x8 30m squares)
5.	Side View Operational Diagrams (1x8 30m squares)





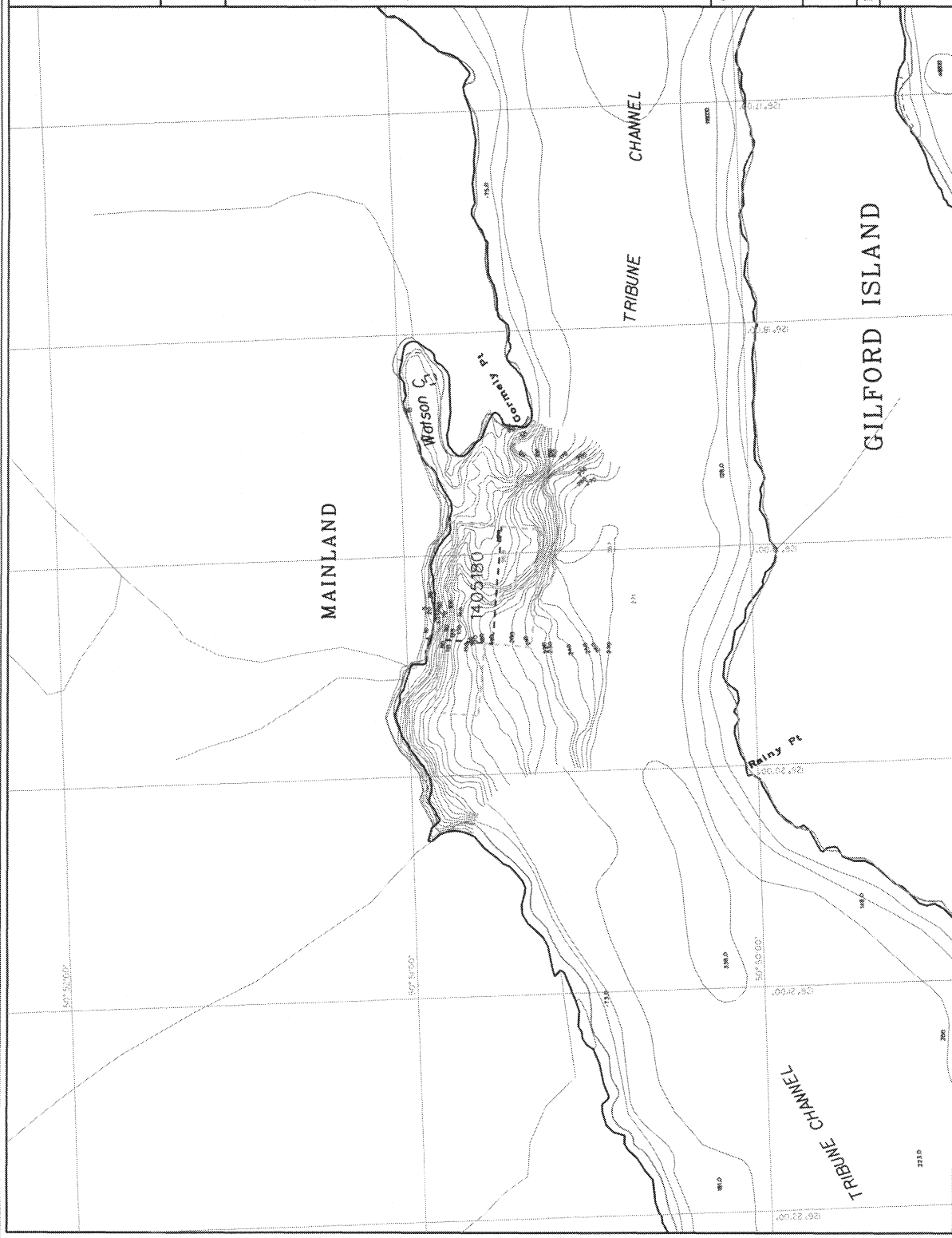
# GLACIER FALLS

Site Reference  
Number: 821  
Land File #1405180

## DETAILED LOCATION MAP

### LEGEND

- Water Features
- Shoreline
- Nautical Chart
- Shoreline
- Trim
- Streams
- Bathymetry 30
- Depth (Meter) 17
- Boundaries
- Current
- Lease
- Boundary
- Proposed
- Lease
- Boundary



Current Lease Centroid:  
Lat 50° 50.825' Long 126° 19.125'  
Proposed Lease Centroid:  
Lat 50° 50.786' Long 126° 19.222'

Reference Map: 82L  
Base Map: 92L 077  
Bathymetry Base Chart: 3515  
UTM NAD83  
Zone 9

Date: January 22, 2018



SCALE 1:20000  
100 0 200 400 600  
Meters

PREPARED BY: **Summit Mapping Services**  
summitmapping.net







# GLACIER FALLS

Site Reference  
Number: 821

Land File #1405180  
Map 2 of 2

## TOP VIEW

**OPERATIONAL DIAGRAM**  
CURRENT AREA OF LEASE: 21.5 Ha  
PROPOSED AREA OF LEASE: 43.4 Ha

### Legend

<b>Buildings</b>	<b>Water Features</b>
House 12mx18m	Shoreline
Feed Shed 12mx18m	Trim
	Nautical Chart
	Shoreline
<b>Farm Features</b>	<b>Bathymetry</b>
Mooring line	Nautical Chart
	Depth (Meter) 1.7
Net Pen 30m square	Streams
Transfer pen 15mx15m	Rock
	Boundaries
	Current
	Proposed
	Lease
	Boundary
	Intensive
	Use Area
	<b>Environmental</b>
	Current Meter
	Location
	Primary
	Direction
	2009
	Secondary
	Direction
	2009

**Cage Array Coordinates**  
SW 50° 50' 860" - 126° 19' 262"  
NW 50° 50' 878" - 126° 19' 263"  
SE 50° 50' 864" - 126° 19' 042"  
NE 50° 50' 862" - 126° 19' 043"

THIS MAP HAS THE UTM GRID  
USE THE BATHYMETRIC CHART FOR THE  
EXACT MAGNETIC DECLINATION  
All latitude and longitude are Degree-Decimal Minutes  
Anchor positions are approximate  
All directions are referenced true north

**Reference Map: 92L**  
**Base Map: 92L 077**  
**Bathymetry Base Chart: 3515**  
**UTM NAD83**  
**Zone 9**

Date: Jan. 21 2016

SCALE 1:5000

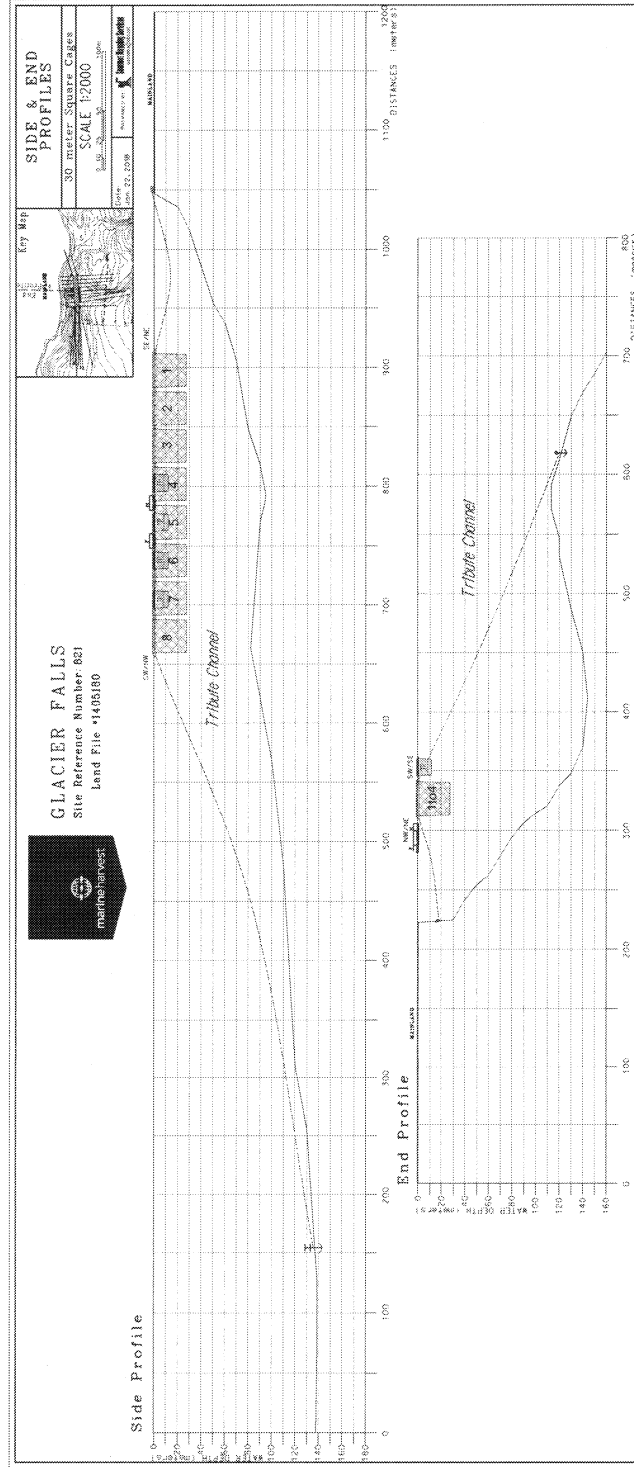


PREPARED BY: SEAMLESS MAPPING SERVICES

Proposed Lease Approximate GPS Coordinates	Current Lease Approximate GPS Coordinates
A: 126° 18' 34.9" / 50° 50' 871"	A: 126° 18' 849" / 50° 50' 871"
B: 126° 18' 30.0" / 50° 50' 800"	B: 126° 18' 878" / 50° 50' 716"
C: 126° 18' 30.0" / 50° 50' 601"	C: 126° 19' 405" / 50° 50' 753"
D: 126° 18' 30.0" / 50° 50' 784"	D: 126° 19' 308" / 50° 50' 943"
E: 126° 18' 30.0" / 50° 50' 863"	
F: 126° 18' 30.0" / 50° 50' 863"	
G: 126° 18' 30.0" / 50° 50' 863"	
H: 126° 18' 30.0" / 50° 50' 863"	
I: 126° 18' 30.0" / 50° 50' 863"	
J: 126° 18' 30.0" / 50° 50' 863"	
K: 126° 18' 30.0" / 50° 50' 863"	
L: 126° 18' 30.0" / 50° 50' 863"	

## MAINLAND





## **Attachment #2**

### **Part I - General Applicant Information**

#### **Section E: Maps, Diagrams, and Additional Required Documents**

7.	Intensive Use Area of Site
----	----------------------------

INTENSIVE USE AREA		
Site Name:	<b>Glacier Falls</b>	Date: <b>January 23, 2018</b>

<b>Square Cages</b>			
cage size (m):	30		
configuration:	1	rows of	8 cages
	width	length	m <sup>2</sup>
area at sea level	34	258	8772 m <sup>2</sup>
Intensive use area	94	318	29892 m <sup>2</sup>
**assumes 2m between cages for walkways			

<b>Square Cages</b>			
cage size (m):	30		
configuration:	1	rows of	8 cages
	width	length	m <sup>2</sup>
area at sea level	34	258	8772 m <sup>2</sup>
Intensive use area	94	318	29892 m <sup>2</sup>
**assumes 2m between cages for walkways			

<b>Feed Barge</b>			
# of feed sheds:	1		
	width	length	m <sup>2</sup>
area at sea level	12	18	216
Intensive use area	72	78	5616
Total Intensive Use Area	5616 m <sup>2</sup>		

<b>Feed Barge</b>			
# of feed sheds:	1		
	width	length	m <sup>2</sup>
area at sea level	12	18	216
Intensive use area	72	78	5616
Total Intensive Use Area	5616 m <sup>2</sup>		

<b>Float House</b>			
# of float houses:	1		
	width	length	m <sup>2</sup>
area at sea level	12	18	216
Intensive use area	72	78	5616
Total Intensive Use Area	5616 m <sup>2</sup>		

<b>Float House</b>			
# of float houses:	1		
	width	length	m <sup>2</sup>
area at sea level	12	18	216
Intensive use area	72	78	5616
Total Intensive Use Area	5616 m <sup>2</sup>		

Transfer cages			
# of floats:	4		
	width	length	m <sup>2</sup>
area at sea level	15	15	225
Intensive use area	79	79	6241
Total Intensive Use Area	24964 m <sup>2</sup>		
**assumes 2m between cages for walkways			

Transfer cages			
# of floats:	4		
	width	length	m <sup>2</sup>
area at sea level	15	15	225
Intensive use area	79	79	6241
Total Intensive Use Area	24964 m <sup>2</sup>		
**assumes 2m between cages for walkways			

Square Cages	29892	
Feed Barge	5616	
Float House	5616	
Transfer cages	24964	
Total IUA	66088	m <sup>2</sup>
	7	Hectares
Total EUA	148912	m <sup>2</sup>
	15	Hectares
Total Lease Area	215000	m <sup>2</sup>

Square Cages	29892	
Feed Barge	5616	
Float House	5616	
Transfer cages	24964	
Total IUA	66088	m <sup>2</sup>
	7	Hectares
Total EUA	367912	m <sup>2</sup>
	37	Hectares
Total Lease Area	434000	m <sup>2</sup>

**Lim, Susan**

---

**From:** Lim, Susan  
**Sent:** February-20-18 1:27 PM  
**To:** Taekema, Bernie John; Shaw, Kerra; Backe, Nicole  
**Cc:** John Mackie; Jim Johnson; McCorquodale, Brenda; Hedderson, Lisa  
**Subject:** PRT - LF 1405180 - Licence Amendment, Marine Harvest Canada, Glacier Falls, Fac. 821  
**Attachments:** PRT Review and Recommendations - MHC Glacier Falls - 821.docx

Hi everyone,

Please find assigned to you in AQUIS, a Licence amendment for Marine Harvest Canada, Glacier Falls, Facility 821.

Please complete and return the attached worksheet. You can find the application information located at:  
<X:\AMD Referral - PRT Information\PRT Applications - in process\FF - 821 - 1405180 - MHC - Glacier Falls>

Jim and John: I have attached the worksheet for you to also complete and return to me prior to our next PRT meeting.

Marine Harvest Canada is applying to increase the lease boundary at Glacier Falls. As per site engineering the system requires adequate anchor line scope to ensure site safety and security.  
No change to site infrastructure, species or production is included in this application.

Regards,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

## PRT Review and Recommendations

### APPLICATION:

- ☐ NEW – Crown Land - reply to FCBC  
☒ AMENDMENT – Crown Land (that includes tenure boundary change) – reply to FCBC  
☐ AMENDMENT – Crown Land (no change to tenure boundary) – reply to FCBC  
☐ NEW/AMENDMENT– non-Crown Land (Park, Federal Land, Harbour Port, etc.) - do not reply to FCBC  
☐ IAU Notification (FLNR), Amendment (DFO, TC) – Crown Land (no change to tenure boundary) – reply to FCBC

Land File # 1405180 ATS Project # Facility 821

Name: Marine Harvest Canada

Location: Glacier Falls

Date Received at FCBC: \_\_\_\_\_ Date email sent to PRT members: Feb. 19, 2018

AGENCY	PRT AGENCY REP	AGENCY LEAD
DFO	BT, KS, NB	
TC	JM	
FLNRO	JJ	

### I. ACCEPT (NO FURTHER INFO REQUIRED)

☐ ACCEPT

### II. MORE INFORMATION REQUIRED BY PRT BEFORE A DECISION CAN BE MADE TO ACCEPT/NOT ACCEPT:

PART	SECTION	REQUIREMENT
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	

ADDITIONAL COMMENTS:

PRT Letter(s) Sent:

(Date)

(Date)

Client Response Received:

(Date)

(Date)

☐ Yes ☐ No Additional or amended documentation has been received by the PRT directly from the client. (If yes, attach to this PRT Review and Recommendations document.)

### III. NOT ACCEPTABLE TO PRT

**DUE TO OUTSTANDING SIGNIFICANT DEFICIENCIES or SHOWSTOPPER - Application to be returned by FCBC; applicant may submit new application if desired.**

PART	SECTION	REQUIREMENT
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	

**ADDITIONAL COMMENTS:**

### FINAL RECOMMENDATION TO FCBC:

☐ **ACCEPT** ☐ **DO NOT ACCEPT**

(Date)

**Lim, Susan**

---

**From:** Lim, Susan  
**Sent:** February-20-18 1:50 PM  
**To:** Taekema, Bernie John; Shaw, Kerra; Backe, Nicole  
**Cc:** John Mackie; Jim Johnson; McCorquodale, Brenda; Hedderson, Lisa  
**Subject:** PRT - ATS 269488 - LF 1409707 - Licence Amendment, Marine Harvest Canada, Humphrey Rock, Fac. 1618  
**Attachments:** PRT Review and Recommendations - MHC Humphrey Rock - 1618.docx

Hi everyone,

Please find assigned to you in AQUIS, a Licence amendment for Marine Harvest Canada, Humphrey Rock, Facility 1618.

Please complete and return the attached worksheet. You can find the application information located at:  
X:\AMD Referral - PRT Information\PRT Applications - in process\FF - 1618 - 1409707 - MHC - Humphrey Rock

Jim and John: I have attached the worksheet for you to also complete and return to me prior to our next PRT meeting.

Marine Harvest Canada is applying to increase the tenure boundary at Humphrey Rock. No change to in site infrastructure, species or production is included in this application.

Regards,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)



## PRT Review and Recommendations

### APPLICATION:

- ☐ NEW – Crown Land - reply to FCBC
- ☒ AMENDMENT – Crown Land (that includes tenure boundary change) – reply to FCBC
- ☐ AMENDMENT – Crown Land (no change to tenure boundary) – reply to FCBC
- ☐ NEW/AMENDMENT– non-Crown Land (Park, Federal Land, Harbour Port, etc.) - do not reply to FCBC
- ☐ IAU Notification (FLNR), Amendment (DFO, TC) – Crown Land (no change to tenure boundary) – reply to FCBC

Land File # 1409707 ATS Project # Facility 1618

Name: Marine Harvest Canada

Location: Humphrey Rock

Date Received at FCBC: \_\_\_\_\_ Date email sent to PRT members: Feb. 19, 2018

AGENCY	PRT AGENCY REP	AGENCY LEAD
DFO	BT, KS, NB	
TC	JM	
FLNRO	JJ	

### I. ACCEPT (NO FURTHER INFO REQUIRED)

☐ ACCEPT

### II. MORE INFORMATION REQUIRED BY PRT BEFORE A DECISION CAN BE MADE TO ACCEPT/NOT ACCEPT:

PART	SECTION	REQUIREMENT
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	

ADDITIONAL COMMENTS:

PRT Letter(s) Sent:

(Date)

(Date)

Client Response Received:

(Date)

(Date)

☐ Yes ☐ No Additional or amended documentation has been received by the PRT directly from the client. (If yes, attach to this PRT Review and Recommendations document.)

### III. NOT ACCEPTABLE TO PRT

**DUE TO OUTSTANDING SIGNIFICANT DEFICIENCIES or SHOWSTOPPER - Application to be returned by FCBC; applicant may submit new application if desired.**

PART	SECTION	REQUIREMENT
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	

**ADDITIONAL COMMENTS:**

**FINAL RECOMMENDATION TO FCBC:**

☐ **ACCEPT** ☐ **DO NOT ACCEPT**

(Date)

**Lim, Susan**

---

**From:** Lim, Susan  
**Sent:** February-20-18 2:50 PM  
**To:** Taekema, Bernie John; Shaw, Kerra; Backe, Nicole  
**Cc:** John Mackie; Jim Johnson; McCorquodale, Brenda; Hedderson, Lisa  
**Subject:** PRT - LF 1403328 - Licence Amendment, Marine Harvest Canada, Sargeaunt's Passage, Fac. 1059  
**Attachments:** PRT Review and Recommendations - MHC Sargeaunt's Passage - 1059.docx

Hi everyone,

Please find assigned to you in AQUIS, a Licence amendment for Marine Harvest Canada, Sargeaunt's Passage, Facility 1059.

Please complete and return the attached worksheet. You can find the application information located at:  
X:\AMD Referral - PRT Information\PRT Applications - in process\FF - 1059 - 1403328 - MHC - Sargeaunt's Passage

Jim and John: I have attached the worksheet for you to also complete and return to me prior to our next PRT meeting.

Marine Harvest Canada is applying to increase the tenure boundary at Sargeaunt's Passage. No change to in site infrastructure, species or production is included in this application.

Regards,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

## PRT Review and Recommendations

### APPLICATION:

- ☐ NEW – Crown Land - reply to FCBC
- ☒ AMENDMENT – Crown Land (that includes tenure boundary change) – reply to FCBC
- ☐ AMENDMENT – Crown Land (no change to tenure boundary) – reply to FCBC
- ☐ NEW/AMENDMENT– non-Crown Land (Park, Federal Land, Harbour Port, etc.) - do not reply to FCBC
- ☐ IAU Notification (FLNR), Amendment (DFO, TC) – Crown Land (no change to tenure boundary) – reply to FCBC

Land File # 1403328 ATS Project # Facility 1059

Name: Marine Harvest Canada

Location: Sargeaunt Passage

Date Received at FCBC: \_\_\_\_\_ Date email sent to PRT members: Feb. 19, 2018

AGENCY	PRT AGENCY REP	AGENCY LEAD
DFO	BT, KS, NB	
TC	JM	
FLNRO	JJ	

### I. ACCEPT (NO FURTHER INFO REQUIRED)

☐ ACCEPT

### II. MORE INFORMATION REQUIRED BY PRT BEFORE A DECISION CAN BE MADE TO ACCEPT/NOT ACCEPT:

PART	SECTION	REQUIREMENT
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	

ADDITIONAL COMMENTS:

PRT Letter(s) Sent:

(Date)

(Date)

Client Response Received:

(Date)

(Date)

☐ Yes ☐ No Additional or amended documentation has been received by the PRT directly from the client. (If yes, attach to this PRT Review and Recommendations document.)

### III. NOT ACCEPTABLE TO PRT

**DUE TO OUTSTANDING SIGNIFICANT DEFICIENCIES or SHOWSTOPPER - Application to be returned by FCBC; applicant may submit new application if desired.**

PART	SECTION	REQUIREMENT
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	

**ADDITIONAL COMMENTS:**

**FINAL RECOMMENDATION TO FCBC:**

☐ **ACCEPT** ☐ **DO NOT ACCEPT**

(Date)

**Lim, Susan**

---

**From:** AQ Referral / AQ Renvoi (DFO/MPO)  
**Sent:** February-28-18 12:35 PM  
**To:** 'Kitchen, Jane FLNR:EX'  
**Subject:** RE: Marine Harvest Admendment applications

Thank you Jane! Much appreciated.

---

**From:** Kitchen, Jane FLNR:EX [<mailto:Jane.Kitchen@gov.bc.ca>]  
**Sent:** February-28-18 9:23 AM  
**To:** AQ Referral / AQ Renvoi (DFO/MPO)  
**Subject:** RE: Marine Harvest Admendment applications

Hi Susan,

The shapefiles are attached for you. Let me know if you need anything else.



*Jane Kitchen, CSP*

Client Service Assistant

FrontCounter BC | Ministry of Forests, Lands, Natural Resource Operations & Rural Development

2080 Labieux Road

Nanaimo, BC V9T 6J9

Tel: 250-751-7242 | Fax: 250-751-7224

[FrontCounter BC Website](#) | Toll-Free Contact Centre: 1-877-855-3222

Tell us about your experience with FrontCounter BC: [Complete an Online Comment Card](#)

---

**From:** AQ Referral / AQ Renvoi (DFO/MPO) [<mailto:AMDReferral.XPAC@dfo-mpo.gc.ca>]  
**Sent:** Wednesday, February 28, 2018 9:05 AM  
**To:** Kitchen, Jane FLNR:EX  
**Subject:** RE: Marine Harvest Admendment applications

Hi Jane,

Would it be possible to forward me the shapefiles for the below application. See email sent to me by Nicole Backe.

Thank you,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

---

**From:** Kitchen, Jane FLNR:EX [<mailto:Jane.Kitchen@gov.bc.ca>]  
**Sent:** February-19-18 9:52 AM  
**To:** Taekema, Bernie John; 'John Mackie'; Backe, Nicole; AQ Referral / AQ Renvoi (DFO/MPO)  
**Subject:** Marine Harvest Admendment applications

For your review, all applications have been added to the sharepoint site for your review.

3 Amendments

1. 1409707 Marine Harvest, Humphry Rock, increase in tenure boundary to facilitate anchoring.
2. 1405180 Marine Harvest, Glacier Falls, increase in tenure boundary to facilitate anchoring.
3. 1403328 Marine Harvest, Sargeant's Passage increase in tenure boundary to facilitate anchoring.



*Jane Kitchen, CSP*

Client Service Assistant

FrontCounter BC | Ministry of Forests, Lands, Natural Resource Operations & Rural  
Development

2080 Labieux Road

Nanaimo, BC V9T 6J9

Tel: 250-751-7242 | Fax: 250-751-7224

[FrontCounter BC Website](#) | Toll-Free Contact Centre: 1-877-855-3222

Tell us about your experience with FrontCounter BC: [Complete an Online Comment Card](#)

**Lim, Susan**

---

**From:** Backe, Nicole  
**Sent:** February-28-18 8:56 AM  
**To:** Lim, Susan  
**Subject:** FW: 5 MHC Amendment Applications

Good Morning Susan,

Just curious if we could request the GIS Shapefiles for the following Marine Harvest Canada amendment applications where they have indicated an increase in the tenure size (we did receive shapefiles for Mahatta West and Mahatta East).

**AQFF 821 / LF 1405180 – Glacier Falls, Marine Harvest Canada**

- Amendment to increase tenure (amend boundaries to accommodate anchoring system); 22 ha to 43 ha (no change to intensive use area)

**ATS 269488 / AQFF 1618 / 1409707 – Humphrey Rock, Marine Harvest Canada**

- Amendment to increase tenure (amend boundaries to accommodate anchoring system); 34 ha to 52 ha (no change to intensive use area)

**AQFF 1059 / 1403328 – Sargeant's Passage, Marine Harvest Canada**

- Amendment to increase tenure (amend boundaries to accommodate anchoring system); 28 ha to 40 ha (no change to intensive use area)

Also, there didn't appear to be ATS #'s for Glacier Falls and Sargeant's passage so I cannot reference those files back to FCBC the normal way we would with that reference number.

Thanks a million,

**Nicole Backe**

Aquaculture Management Coordinator, Fisheries Management Branch – Pacific Region  
Fisheries and Oceans Canada | Government of Canada  
[Nicole.Backe@dfo-mpo.gc.ca](mailto:Nicole.Backe@dfo-mpo.gc.ca) | Tel: 250-754-0399, Fax: 250-754-0391

Coordinatrice - Gestion de l'aquaculture, Direction de la gestion des pêches – Région Pacifique  
Pêches et Océans Canada | Gouvernement du Canada  
[Nicole.Backe@dfo-mpo.gc.ca](mailto:Nicole.Backe@dfo-mpo.gc.ca) | Tél : 250-754-0399, Télécopieur 250-754-0391



**Lim, Susan**

---

**From:** Lim, Susan  
**Sent:** March-02-18 3:50 PM  
**To:** Backe, Nicole; Taekema, Bernie John; Kosmider, Gabrielle; John Mackie; Lesley Fettes;  
Jim Johnson; Diane Tetarenko  
**Subject:** Agenda - PRT Conference Call - Tuesday, March 6th @ 10 am  
**Attachments:** Mar 6 2018 - PRT Updated Review.docx

Hello everyone,

See attached agenda for the PRT conference call scheduled for Tuesday, March 6th at 10 am.

Let me know if you would like to add anything to the agenda or if you are not able to attend.

Thank you,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

**PRT File Review  
6 March 2018  
10:00 am**

Call in number: 1-877-413-4781 Code [REDACTED]

Attendees: Diane Tetarenko, Jim Johnson, Lesley Fettes, John Mackie, Gabrielle Kosmider, Bernie Taekema, Nicole Backe  
Secretariat: Susan Lim

**PRT File Review**

Company	ATS / Lands No	Site Ref / TC NPP NO	Application Status	Notes
UHA – Stagg Bay	249558	8333	DFO - FLNRO – TC – [REDACTED] – req more info eg. tenure plans for the bay	Geoduck – Application will need to be split into 2 landfile numbers if we proceed DFO Pre-screening
UHA – WS Hernando Isl	249557	8373	DFO - FLNRO – TC – JM – Accept	Geoduck – DFO Pre-screening
UHA – NW Hernando Isl	249635	8355	DFO - FLNRO – TC – JM – Accept	Geoduck – DFO Pre-screening
Maplestar Seafood Ltd -Nanose Bay	254483	6712	DFO – FLNRO – Accept TC - Accept	Geoduck, DFO Pre-screening CFIA - This site does not have sufficient biotoxin monitoring for geoduck clams FLNRO accepts – Top view diagram should be re-submitted – require better scan of infrastructure
Klahoose Shellfish Inc. -Baker Passage, N. Hernando Isl	261811	9249	DFO - FLNRO – TC – Accept	Geoduck, DFO Pre-screening FLNRO – Hold – Overlap (Stagg Bay application)
Ted Woodard -Moon Bay, Agamemnon Channel	2404991	1204	DFO - require further info FLNRO – Accept - require more info TC – Accept	Tenure area change from 3 ha to 2.82 ha, Addition of infrastructure (raft, tray culture areas) DFO – signature, tenure clarification. FLNRO will work on shape files and forward to DFO.
Lorindale Holdings Ltd.  Rec'd another application on Feb 23, 2018	267146/ 1403139  ATS 270316	127	DFO - FLNRO – TC – Accept	Deep Bay Baynes Sound Addition of Geoduck, IAU Already have active amendment file for this facility. Change of ownership requires to be completed first. [REDACTED] will then decide which application to proceed with. -added infrastructure & Horse Clam
Marine Harvest Canada -Koskimo Bay	1401722	144	DFO - Accept FLNRO – TC – Accept	Amend lease boundary and infrastructure Marco will be reviewing from FLNRO.
Grieg Seafood BC Ltd -Ahlstrom	266673/ 2408042	1698	DFO - FLNRO – TC – Accept	Tenure expansion, addition of infrastructure and production -relocate Kunechin to Ahlstrom
Grieg Seafood BC Ltd -Culloden Point	266678/ 2408043	1697	DFO - FLNRO – TC – Accept	Tenure expansion, addition of infrastructure and production -relocate Newcomb to Culloden Point
Marine Harvest Canada -Shelter Passage	268964 1404091	831	DFO - Accept FLNRO – TC –	Replacement of cage array plan from 70m to 80m.
Northeast Shellfish -Northeast Bay	266998	9349	DFO - FLNRO – TC –	13 species includes geoduck – DFO Pre-screening
Barkley Sound	268796	9350	DFO -	10 Ha, Geoduck – DFO Pre-screening

Shellfish LP -Macaoh Passage - A			FLNRO – TC –	
Barkley Sound Shellfish LP -Macaoh Passage - B	268800	9351	DFO - FLNRO – TC –	6.3 Ha Geoduck – DFO Pre-screening
Marine Harvest Canada -Mahatta West	269488/ 1406961	1238	DFO - FLNRO – TC – Accept	Increase tenure boundary for anchoring. No change in production or infrastructure.
Marine Harvest Canada -Mahatta East	269810/ 1403748	1338	DFO - FLNRO – TC – Accept	Increase tenure boundary for anchoring. No change in production or infrastructure.
Marine Harvest Canada -Glacier Falls	1405180	821	DFO - FLNRO – Accept TC –	Increase tenure boundary for anchoring.
Marine Harvest Canada -Humphrey Rock	1409707	1618	DFO - FLNRO – Accept TC –	Increase tenure boundary for anchoring.
Marine Harvest Canada -Sargeant's Passage	1403328	1059	DFO - FLNRO – Accept TC –	Increase tenure boundary for anchoring.
Grieg Seafood BC Ltd. -Noo-la	1411154	1825	DFO - FLNRO – Accept TC –	(Bennett Point), IAU Change cage array configuration
Cermaq Canada -Cypress Harbour	1405381	458	DFO - FLNRO – Accept TC –	IAU, change in ancillary structures
Cermaq Canada -Wehlis Bay	1407731	1335	DFO - FLNRO – Accept TC –	IAU, change in cage array configuration
Cermaq Canada -Simmonds Point	1407730	1336	DFO - FLNRO – Accept TC –	IAU, change in cage array configuration

Accepted but waiting Official Referral - FLNRO working on statusing and engagement letter				
	260534 / 1413764	9171	DFO - Accept FLNRO – Accept TC – Accept	Geoduck, Baynes Sound PRT accepted Dec. 19, 2017
Argosy Sea Farms Ltd	260669 / 1411185	1878	DFO - Accept FLNRO – Accept TC – Accept	Squirrel Cove – Tenure boundary change. PRT accepted Dec.19th
Abrupt Shellfish Inc.	262592 / 1414783	9289	DFO - Accept FLNRO – Accept TC – Accept	Geoduck, Preedy Harbour west PRT accepted – Dec. 19, 2017 Jan. 9 <sup>th</sup> – awaiting statusing
Fan Seafood -S. Savary Island	249735 / 1414695	8393	DFO - Accept FLNRO – Accept TC – Accept	Geoduck PRT accepted Jan. 8, 2018 Assigned to Melinda – Feb 19
Penelakut Seafoods -Booth Bay	253164 / 1414788	9149	DFO - Accept FLNRO – Accept TC – Accept	Manila Clam, Pacific Oyster, Littleneck Clam PRT accepted – Jan. 9, 2018

Decision Pending / AIP	Type	Facility	Facility No	Landfile No	Status
Canadian King Research Inc.	SF NEW	S of Rebecca Spit (IGMF)	6833	1411182	Decision Pending
Pentlatch Seafoods Ltd.	SF NEW	Comox Bar (IGMF)	1975	1411212	Decision Pending

### Topics to Discuss

Metlakatla Development Corporation Applications – Morse Basin #1 & #2, Tuck Inlet #1, #2, #3

- Nov. 30, 2017 - FCBC sent letter to Metlakatla including options for Tuck Inlet applications.

---

### DFO - Clock Paused – On Hold and Approved in Principle

1403139/127 - Lorindale Holdings [REDACTED] – Clock Pause - Litigation – Under Review –  
June 1 litigation seems to be resolving itself but this is in the Comox area so FN issues to follow

ATS156286/1261	1407063	- Odyssey Seafood - Harmonization and coordination of decision-making
ATS 150100/535	0278745	- Mac's Oysters - Harmonization and coordination of decision-making
ATS 150101/1533	0278772	- Mac's Oysters - Harmonization and coordination of decision-making
ATS 150485/531	0278755	- Mac's Oysters - Harmonization and coordination of decision-making
ATS 150097/521	0278767	- Mac's Oysters - Harmonization and coordination of decision-making
ATS 150099/519	0278753	- [REDACTED] (Mac's) - Harmonization and coordination of decision-
ATS 155429/7614	1414372	- [REDACTED] - Harmonization and coordination of decision-making
ATS 155430/7693	2409221	- [REDACTED] site 2 - Harmonization and coordination of decision-making

New Issue – Unlicensed facilities – DFO to review applications 1<sup>st</sup> – would like to renew as they would have originally been licensed for, and then accept an amendment application. This would have to be looked at 1<sup>st</sup> on a case by case basis.

**Lim, Susan**

---

**From:** Lim, Susan  
**Sent:** March-07-18 2:01 PM  
**To:** Diane Tetarenko  
**Cc:** Jim Johnson; John Mackie; Taekema, Bernie John; McCorquodale, Brenda  
**Subject:** Accepted PRT Review and Recommendations, Marine Harvest Canada, Glacier Falls, LF 1405180  
**Attachments:** Final PRT Review and Recommendations - MHC Glacier Falls - 821.docx

Hi Diane,

See attached accepted PRT Review and Recommendation for Marine Harvest Canada, Glacier Falls, LF 1405180.

All members have accepted.

Regards  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

## PRT Review and Recommendations

### APPLICATION:

- ☐ NEW – Crown Land - reply to FCBC  
☒ AMENDMENT – Crown Land (that includes tenure boundary change) – reply to FCBC  
☐ AMENDMENT – Crown Land (no change to tenure boundary) – reply to FCBC  
☐ NEW/AMENDMENT– non-Crown Land (Park, Federal Land, Harbour Port, etc.) - do not reply to FCBC  
☐ IAU Notification (FLNR), Amendment (DFO, TC) – Crown Land (no change to tenure boundary) – reply to FCBC

Land File # 1405180 ATS Project # Facility 821

Name: Marine Harvest Canada

Location: Glacier Falls

Date Received at FCBC: \_\_\_\_\_ Date email sent to PRT members: Feb. 19, 2018

AGENCY	PRT AGENCY REP	AGENCY LEAD
DFO	BT, KS, NB	BT
TC	JM	JM
FLNRO	JJ	JJ

### I. ACCEPT (NO FURTHER INFO REQUIRED)

☒ ACCEPT

### II. MORE INFORMATION REQUIRED BY PRT BEFORE A DECISION CAN BE MADE TO ACCEPT/NOT ACCEPT:

PART	SECTION	REQUIREMENT
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	

ADDITIONAL COMMENTS:

PRT Letter(s) Sent:

(Date)

(Date)

Client Response Received:

(Date)

(Date)

☐ Yes ☐ No Additional or amended documentation has been received by the PRT directly from the client. (If yes, attach to this PRT Review and Recommendations document.)

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**DUE TO OUTSTANDING SIGNIFICANT DEFICIENCIES or SHOWSTOPPER - Application to be returned by FCBC; applicant may submit new application if desired.**

PART	SECTION	REQUIREMENT
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	

**ADDITIONAL COMMENTS:**

### FINAL RECOMMENDATION TO FCBC:

**DFO will not be assessing this application as it is only associated with changes to the tenure. Infrastructure including anchoring remains the same.**

**Please advise DFO once application is approved and completed. DFO needs to update their database with the updated information (eg. tenure size).**

☒ **ACCEPT**

☐ **DO NOT ACCEPT**

**March 7, 2018**

(Date)

**Lim, Susan**

---

**From:** Lim, Susan  
**Sent:** March-07-18 2:24 PM  
**To:** Diane Tetarenko  
**Cc:** Jim Johnson; John Mackie; Taekema, Bernie John; McCorquodale, Brenda  
**Subject:** Accepted PRT Review and Recommendations, Marine Harvest Canada, Humphrey Rock, LF 1409707  
**Attachments:** Final PRT Review and Recommendations - MHC Humphrey Rock - 1618 (2).docx

Hi Diane,

See attached accepted PRT Review and Recommendation for Marine Harvest Canada, Humphrey Rock, LF 1409707.

All members have accepted. Please note "Final Recommendation to FCBC" on attached sheet.

Regards  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)



## PRT Review and Recommendations

**APPLICATION:**

- ☐ NEW – Crown Land - reply to FCBC
- ☒ AMENDMENT – Crown Land (that includes tenure boundary change) – reply to FCBC
- ☐ AMENDMENT – Crown Land (no change to tenure boundary) – reply to FCBC
- ☐ NEW/AMENDMENT– non-Crown Land (Park, Federal Land, Harbour Port, etc.) - do not reply to FCBC
- ☐ IAU Notification (FLNR), Amendment (DFO, TC) – Crown Land (no change to tenure boundary) – reply to FCBC

Land File # 1409707 ATS Project # Facility 1618

Name: Marine Harvest Canada

Location: Humphrey Rock

Date Received at FCBC: \_\_\_\_\_ Date email sent to PRT members: Feb. 19, 2018

AGENCY	PRT AGENCY REP	AGENCY LEAD
DFO	BT, KS, NB	BT
TC	JM	JM
FLNRO	JJ	JJ

**I. ACCEPT (NO FURTHER INFO REQUIRED)**

☒ **ACCEPT**

**II. MORE INFORMATION REQUIRED BY PRT BEFORE A DECISION CAN BE MADE TO ACCEPT/NOT ACCEPT:**

PART	SECTION	REQUIREMENT
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	

**ADDITIONAL COMMENTS:**

PRT Letter(s) Sent:

Client Response Received: (Date) (Date)  
(Date) (Date)

☐ Yes ☐ No Additional or amended documentation has been received by the PRT directly  
from the client. (If yes, attach to this PRT Review and Recommendations document.)

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**DUE TO OUTSTANDING SIGNIFICANT DEFICIENCIES or SHOWSTOPPER - Application to be returned by  
FCBC; applicant may submit new application if desired.**

PART	SECTION	REQUIREMENT
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	

**ADDITIONAL COMMENTS:**

### FINAL RECOMMENDATION TO FCBC:

DFO will not be assessing this application as it is only associated with changes to  
the tenure. Infrastructure including anchoring remains the same.

Please advise DFO once application is approved and completed so DFO can  
update their database with the updated information (eg. tenure size).

☒ **ACCEPT**

☐ **DO NOT ACCEPT**

**March 7, 2018**

(Date)

**Lim, Susan**

---

**From:** Lim, Susan  
**Sent:** March-07-18 2:32 PM  
**To:** Diane Tetarenko  
**Cc:** Jim Johnson; John Mackie; Taekema, Bernie John; McCorquodale, Brenda  
**Subject:** Accepted PRT Review and Recommendations, Marine Harvest Canada, Sargeaunt Passage, LF 1403328  
**Attachments:** Final PRT Review and Recommendations - MHC Sargeaunt's Passage - 1059.docx

Hi Diane,

See attached accepted PRT Review and Recommendation for Marine Harvest Canada, Sargeaunt Passage, LF 1403328.

All members have accepted. Please note "Final Recommendation to FCBC" on attached sheet.

Regards  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

## PRT Review and Recommendations

### APPLICATION:

- ☐ NEW – Crown Land - reply to FCBC
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- ☐ AMENDMENT – Crown Land (no change to tenure boundary) – reply to FCBC
- ☐ NEW/AMENDMENT– non-Crown Land (Park, Federal Land, Harbour Port, etc.) - do not reply to FCBC
- ☐ IAU Notification (FLNR), Amendment (DFO, TC) – Crown Land (no change to tenure boundary) – reply to FCBC

Land File # 1403328 ATS Project # Facility 1059

Name: Marine Harvest Canada

Location: Sargeaunt Passage

Date Received at FCBC: \_\_\_\_\_ Date email sent to PRT members: Feb. 19, 2018

AGENCY	PRT AGENCY REP	AGENCY LEAD
DFO	BT, KS, NB	BT
TC	JM	JM
FLNRO	JJ	JJ

### I. ACCEPT (NO FURTHER INFO REQUIRED)

☒ ACCEPT

### II. MORE INFORMATION REQUIRED BY PRT BEFORE A DECISION CAN BE MADE TO ACCEPT/NOT ACCEPT:

PART	SECTION	REQUIREMENT
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	

### ADDITIONAL COMMENTS:

PRT Letter(s) Sent:

Client Response Received: (Date) (Date)  
(Date) (Date)

☐ Yes ☐ No Additional or amended documentation has been received by the PRT directly from the client. (If yes, attach to this PRT Review and Recommendations document.)

### III. NOT ACCEPTABLE TO PRT

**DUE TO OUTSTANDING SIGNIFICANT DEFICIENCIES or SHOWSTOPPER - Application to be returned by FCBC; applicant may submit new application if desired.**

PART	SECTION	REQUIREMENT
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	
Choose an item.	Choose an item.	

**ADDITIONAL COMMENTS:**

### FINAL RECOMMENDATION TO FCBC:

DFO will not be assessing this application as it is only associated with changes to the tenure. Infrastructure including anchoring remains the same.

Please advise DFO once application is approved and completed so DFO can update their database with the updated information (eg. tenure size).

Transport Canada (TC) will seek comment from potentially affected marine users prior to approval. TC will refer the application to users after receiving the provincial referral.

☒ **ACCEPT** ☐ **DO NOT ACCEPT**

**March 7, 2018**  
(Date)

**Lim, Susan**

---

**From:** Johnson, Jim FLNR:EX <Jim.Johnson@gov.bc.ca>  
**Sent:** March-09-18 9:00 AM  
**To:** 'Mackie, John'; Lim, Susan  
**Cc:** Fettes, Lesley FLNR:EX  
**Subject:** RE: TC review of submissions.

Hi John,

Thank you for the note and the speedy review. And yes please don't refer or discuss any of these apps until you hear further from FLNRORD. Appreciate it.

-Jim

---

**From:** Mackie, John [<mailto:John.Mackie@tc.gc.ca>]  
**Sent:** Wednesday, March 7, 2018 8:39 AM  
**To:** 'Lim, Susan'  
**Cc:** Johnson, Jim FLNR:EX; Taekema, Bernie John; Fettes, Lesley FLNR:EX; Tetarenko, Diane FLNR:EX; 'Kosmider, Gabrielle'; Backe, Nicole  
**Subject:** TC review of submissions.

Hi Susan.

Marine Harvest – Glacier Falls 1405180, TC accepts.

Marine Harvest – Humphrey Rock 1409707, TC accepts.

Marine Harvest – Sargeant's Pass 1403328, TC accepts. This application will require that TC seek comment from potentially affected marines users prior to approval. We will refer the app to users after receiving the provincial referral.

Grieg Seafood – Bennet Point – 1411154, TC accepts.

Cermaq – Cypress Hbr. 1405381 , TC accepts.

Cermaq – Wehlis Bay 1407731, TC accepts. TC will refer the app to marine users for comments regarding impacts to navigation. As well, I note that the province will be conducting FN consultation. TC would ask the province what the plans are for consultation and discuss oportunites for participating.

Cermaq – Simmonds Pt. 1407730, TC accepts. As above, TC will refer the app to marine users for comments regarding impacts to navigation.

*John Mackie*

**Navigation Protection Officer, Navigation Protection Program**  
**Transport Canada / Government of Canada**  
**[john.mackie@tc.gc.ca](mailto:john.mackie@tc.gc.ca) / Tel: 604-817-7655 / TTY : 1-888-675-6863**

**Agent de protection de la navigation, Programme de protection de la navigation**

**Transports Canada | Gouvernement du Canada**

**John.mackie@tc.gc.ca / Tél. : 604-817-7655 / ATS : 1-888-675-6863**



Transport  
Canada

Transports  
Canada

**Visit our website @<https://www.tc.gc.ca/eng/programs-624.html>**

**Please send applications to; [NPPAC-PPNPAC@tc.gc.ca](mailto:NPPAC-PPNPAC@tc.gc.ca)**

<http://www.tc.gc.ca/eng/abandoned-boats-program.html>

No information has been removed or severed from this page

**Lim, Susan**

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**From:** Lim, Susan  
**Sent:** March-19-18 9:32 AM  
**To:** Backe, Nicole; Taekema, Bernie John; Kosmider, Gabrielle; John Mackie; Lesley Fettes;  
Jim Johnson; Diane Tetarenko  
**Subject:** Agenda - PRT Conference Call - Tuesday, March 20th @ 10 am  
**Attachments:** Mar 20 2018 - PRT Updated Review.docx

Hello everyone,

See attached agenda for the PRT conference call scheduled for Tuesday, March 20th at 10 am.

Let me know if you would like to add anything to the agenda or if you are not able to attend.

Thank you,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)



**PRT File Review**  
**20 March 2018**  
**10:00 am**

Call in number: 1-877-413-4781 Code [REDACTED]

Attendees: Diane Tetarenko, Jim Johnson, Lesley Fettes, John Mackie, Gabrielle Kosmider, Bernie Taekema, Nicole Backe  
Secretariat: Susan Lim

**PRT File Review**

Company	ATS / Lands No	Site Ref / TC NPP NO	Application Status	Notes
UHA – Stagg Bay	249558	8333	DFO - FLNRO – TC – [REDACTED] – req more info eg. tenure plans for the bay	Geoduck – Application will need to be split into 2 landfile numbers if we proceed DFO Pre-screening
UHA – WS Hernando Isl	249557	8373	DFO - FLNRO – TC – JM – Accept	Geoduck – DFO Pre-screening
UHA – NW Hernando Isl	249635	8355	DFO - FLNRO – TC – JM – Accept	Geoduck – DFO Pre-screening
Maplestar Seafood Ltd -Nanoose Bay	254483	6712	DFO – FLNRO – Accept TC - Accept	Geoduck, DFO Pre-screening CFIA - This site does not have sufficient biotoxin monitoring for geoduck clams FLNRO accepts – Top view diagram should be re-submitted – require better scan of infrastructure
Klahoose Shellfish Inc. -Baker Passage, N. Hernando Isl	261811	9249	DFO - FLNRO – TC – Accept	Geoduck, DFO Pre-screening FLNRO – Hold – Overlap (Stagg Bay application)
[REDACTED] -Moon Bay, Agamemnon Channel	2404991	1204	DFO - require further info FLNRO – Accept - require more info TC – Accept	Tenure area change from 3 ha to 2.82 ha. Addition of infrastructure (raft, tray culture areas) DFO – signature, tenure clarification. FLNRO will work on shape files and forward to DFO.
Lorindale Holdings Ltd.  Rec'd another application on Feb 23, 2018	267146/ 1403139  ATS 270316	127	DFO - FLNRO – TC – Accept	Deep Bay Baynes Sound Addition of Geoduck, IAU Already have active amendment file for this facility. Signing Authority rec'd from [REDACTED] Agencies to send PRT Secretariat information still required for this application. [REDACTED] to decide which application to proceed with. -added infrastructure & Horse Clam
Marine Harvest Canada -Koskimo Bay	1401722	144	DFO - Accept FLNRO – TC – Accept	Amend lease boundary and infrastructure Marco will be reviewing from FLNRO. Waiting for info from MHC.
Grieg Seafood BC Ltd -Ahlstrom	266673/ 2408042	1698	DFO - FLNRO – TC – Accept	Tenure expansion, addition of infrastructure and production -relocate Kunechin to Ahlstrom -awaiting updated application
Grieg Seafood BC Ltd -Culloden Point	266678/ 2408043	1697	DFO - FLNRO – TC – Accept	Tenure expansion, addition of infrastructure and production -relocate Newcomb to Culloden Point - awaiting updated application
Marine Harvest Canada -Shelter Passage	268964 1404091	831	DFO - Accept FLNRO – TC –	Replacement of cage array plan from 70m to 80m.

Northeast Shellfish -Northeast Bay	266998	9349	DFO - FLNRO - TC -	13 species includes geoduck – DFO Pre-screening
Barkley Sound Shellfish LP -Macaoh Passage - A	268796	9350	DFO - FLNRO - TC -	10 Ha, Geoduck – DFO Pre-screening
Barkley Sound Shellfish LP -Macaoh Passage - B	268800	9351	DFO - FLNRO - TC -	6.3 Ha Geoduck – DFO Pre-screening
Marine Harvest Canada -Mahatta West	269488/ 1406961	1238	DFO - Accept/will not be assessing FLNRO - TC - Accept	Increase tenure boundary for anchoring. No change in production or infrastructure. Marco will be working on this file. TC rec'd additional map.
Marine Harvest Canada -Mahatta East	269810/ 1403748	1338	DFO - Accept/will not be assessing FLNRO - TC - Accept	Increase tenure boundary for anchoring. No change in production or infrastructure. Marco will be working on this file. TC rec'd additional map.
Grieg Seafood BC Ltd. -Noo-la	1411154	1825	DFO - Do Not Accept FLNRO - Accept TC - Accept	(Bennett Point), IAU Change cage array configuration

Accepted but waiting Official Referral - FLNRO working on statusing and engagement letter				
	260534 / 1413764	9171	DFO - Accept FLNRO - Accept TC - Accept	Geoduck, Baynes Sound PRT accepted Dec. 19, 2017
Argosy Sea Farms Ltd	260669 / 1411185	1878	DFO - Accept FLNRO - Accept TC - Accept	Squirrel Cove – Tenure boundary change. PRT accepted Dec.19th
Abrupt Shellfish Inc.	262592 / 1414783	9289	DFO - Accept FLNRO - Accept TC - Accept	Geoduck, Preedy Harbour west PRT accepted – Dec. 19, 2017 Jan. 9 <sup>th</sup> – awaiting statusing
Penelakut Seafoods -Booth Bay	253164 / 1414788	9149	DFO - Accept FLNRO - Accept TC - Accept	Manila Clam, Pacific Oyster, Littleneck Clam PRT accepted – Jan. 9, 2018
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Cermaq Cda -Cypress Harbour	1405381	458	DFO - Accept FLNRO - Accept TC - Accept	IAU, change in ancillary structures PRT accepted Mar. 7, 2018
Cermaq Cda -Wehlis Bay	1407731	1335	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	IAU, change in cage array configuration PRT accepted Mar. 7, 2018
Cermaq -Simmonds Point	1407730	1336	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	IAU, change in cage array configuration PRT accepted Mar. 7, 2018

Decision Pending / AIP	Type	Facility	Facility No	Landfile No	Status
Canadian King Research Inc.	SF NEW	S of Rebecca Spit (IGMF)	6833	1411182	Decision Pending
Pentlatch Seafoods Ltd.	SF NEW	Comox Bar (IGMF)	1975	1411212	Decision Pending

#### Topics to Discuss

Metlakatla Development Corporation Applications – Morse Basin #1 & #2, Tuck Inlet #1, #2, #3  
 - Nov. 30, 2017 - FCBC sent letter to Metlakatla including options for Tuck Inlet applications.

#### DFO - Clock Paused – On Hold and Approved in Principle

1403139/127 - Lorindale Holdings [REDACTED] – Clock Pause - Litigation – Under Review – June 1 litigation seems to be resolving itself but this is in the Comox area so FN issues to follow  
 ATS156286/1261 1407063 - Odyssey Seafood - Harmonization and coordination of decision-making  
 ATS 150100/535 0278745 - Mac's Oysters - Harmonization and coordination of decision-making  
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 ATS 150097/521 0278767 - Mac's Oysters - Harmonization and coordination of decision-making  
 ATS 150099/519 0278753 - [REDACTED] (Mac's) - Harmonization and coordination of decision-making  
 ATS 155429/7614 1414372 - [REDACTED] - Harmonization and coordination of decision-making  
 ATS 155430/7693 2409221 - [REDACTED] site 2 - Harmonization and coordination of decision-making

New Issue – Unlicensed facilities – DFO to review applications 1<sup>st</sup> – would like to renew as they would have originally been licensed for, and then accept an amendment application. This would have to be looked at 1<sup>st</sup> on a case by case basis.

s.19(1)

**Lim, Susan**

---

**From:** Lim, Susan  
**Sent:** March-29-18 2:41 PM  
**To:** Backe, Nicole; Taekema, Bernie John; Kosmider, Gabrielle; John Mackie; Lesley Fettes;  
Jim Johnson; Diane Tetarenko  
**Subject:** Agenda - PRT Conference Call - Tuesday, April 3rd @ 10 am  
**Attachments:** Apr 3 2018 - PRT Updated Review.docx

Hello everyone,

See attached agenda for the PRT conference call scheduled for Tuesday, April 3rd at 10 am.

Let me know if you would like to add anything to the agenda or if you are not able to attend.

Thank you,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

**PRT File Review**  
**03 April 2018**  
**10:00 am**

Call in number: 1-877-413-4781 Code [REDACTED]

Attendees: Diane Tetarenko, Jim Johnson, Lesley Fettes, John Mackie, Gabrielle Kosmider, Bernie Taekema, Nicole Backe  
 Secretariat: Susan Lim

**PRT File Review**

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Lorindale Holdings Ltd.  Rec'd another application on Feb 23, 2018	267146/ 1403139  ATS 270316	127	DFO - FLNRO – TC – Accept	Deep Bay Baynes Sound Addition of Geoduck, IAU Already have active amendment file for this facility. Signing Authority rec'd from [REDACTED] DFO & FLNRO to send PRT Secretariat deficiencies for this application for joint response. [REDACTED] to decide which application to proceed with. -added infrastructure & Horse Clam
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s.16(2)(c)

s.19(1)

s.21(1)(b)

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Barkley Sound Shellfish LP -Macaoh Passage - B	268800	9351	DFO - req additional info FLNRO - accept if they change tenure type to licence to occupy TC -	6.3 Ha -Geoduck - DFO Pre-screening - awaiting response from TC
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Abrupt Shellfish Inc.	262592 / 1414783	9289	DFO - Accept FLNRO - Accept TC - Accept	Geoduck, Preedy Harbour west PRT accepted - Dec. 19, 2017 Statusing, waiting for Eng/Referrals to be sent
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Pentlatch Seafoods Ltd.	SF NEW	Comox Bar (IGMF)	1975	1411212	Decision Pending

#### Topics to Discuss

\*\*\* When applications are still at PRT, we should combine all our requests to client into one request and I will send out to client. This will prevent confusion on who is being sent what.

Metlakatla Development Corporation Applications – Morse Basin #1 & #2, Tuck Inlet #1, #2, #3

- Nov. 30, 2017 - FCBC sent letter to Metlakatla including options for Tuck Inlet applications.

#### DFO - Clock Paused – On Hold and Approved in Principle

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s.19(1)



Fisheries and Oceans Canada  
Correspondence Routing Slip

Fiche d'acheminement de correspondance  
Pêches et Océans Canada

SECRET  
GCCMS #: 2018-009-00474

To: Catherine Blewett  
Pour:

Date:

Object: **Meeting with Cermaq and Marine Harvest Canada**  
Objet:

From / De: Jean-François LaRue, Director General, Aquaculture Management

Via: Philippe Morel, Assistant Deputy Minister, Aquatic Ecosystems

Additional approvals:  
Autre(s) approbation(s):

Rebecca Reid, Regional Director General, Pacific Region – **Approval Attached**

☒ Material for the Minister  
Documents pour le Ministre

☐ Your Signature  
Votre signature

☒ Information

Remarks: This briefing note was developed in consultation with the following  
Remarques: regions/sectors: Pacific Region – Approval Attached

Distribution: Anne Lamar, Senior Assistant Deputy Minister, Strategic Policy Sector

Drafting Officer/  
Rédacteur:

Allison Webb (604-666-7009) / J-F. LaRue / eb





Fisheries and Oceans  
Canada

Pêches et Océans  
Canada

Approved by Philippe Morel, ADM

Docket #: 2018-009-00474  
Security Classification: SECRET

## **SCENARIO NOTE**

### **MEETING WITH CERMAQ AND MARINE HARVEST CANADA**

#### **Overview**

The purpose of the meeting is to discuss DFO's involvement in the current government to government discussions taking place between the Government of BC and First Nations under a letter of intent process to provide consensus recommendations on the future of the salmon farms in the Broughton Archipelago.

Your overall objective for the meeting is to affirm DFO's position that aquaculture is well regulated and express interest in incremental improvements to minimize risk to wild salmon populations. It is also important to clarify federal and provincial roles for aquaculture management and impress upon the companies that DFO cannot fetter the provincial decision making authority related to the aquaculture tenures in BC.

The key issue that will be raised during the meeting is industry's request for DFO to be involved in the Broughton process, including by providing evidence-based information to inform the consensus recommendations on the risks of salmon farming on wild salmon stocks in BC.

Cermaq and Marine Harvest Canada are the two largest companies operating in BC with numerous sites and operations in other jurisdictions. Both companies belong to the BC Salmon Farmers Association and have constructive relationships with DFO.

#### **1. Renewal of Aquaculture Tenures in the Broughton**

BC has been meeting with Broughton First Nations since January 2018 in a government to government process aimed at providing recommendations on renewal of tenures in the Broughton Archipelago. BC has indicated that this process will be consistent with the implementation of the United Nations Declaration on the Rights of Indigenous Peoples. First Nations have been vocal in their opposition to salmon farms in that area.

DFO and industry have not participated in these discussions with the exception of a meeting on August 3, 2018, attended by industry

s.14

s.21(1)(a)

s.21(1)(b)

SECRET

[REDACTED]

The Broughton Archipelago has about 20 salmon farms representing approximately 30% of the production in BC and accounting for \$190 million. Salmon farming is the major economic driver of the north island economy including the communities of Campbell River, Port McNeil and Port Hardy. Farmed salmon is BC's number one agri-food export.

In late June 2018, BC announced that it would take a new policy position on tenures for finfish aquaculture and require that for farms outside the Broughton, the expiry date of the tenure would align with the DFO aquaculture licence expiry dates in 2022. Further, BC will require a First Nations agreement to be in place and confirmation by DFO that the farm would not pose a risk to wild salmon before the tenure will be renewed.

[REDACTED]

Both companies have pursued and are interested in furthering constructive engagement with First Nations and have a significant number of Indigenous employees. Additionally, they are focused on continuous improvement in environmental management including investments in research and technology. These companies have also sought certification by the Aquaculture Stewardship Council to ensure a high level of environmental stewardship.

[REDACTED]

### **Minister's Objectives**

It is expected that the Minister will affirm DFO's regulation of the sector is robust and we will continue to work with BC, First Nations, industry and other stakeholders to continuously improve the regulation of the sector to reduce risks to wild salmon. The importance of the sector to the economy and jobs and growth agenda can be confirmed. [REDACTED]

[REDACTED]

s.14

s.21(1)(a)

s.21(1)(b)

SECRET

### **Key Messages**

- **DFO understands the economic contribution of the salmon aquaculture industry to BC and the potential for growth for coastal and Indigenous communities and the current difficulties faced by the industry.**
- **Finfish aquaculture is well managed and we will continue to work collaboratively with industry, BC, First Nations and other stakeholders to address concerns and risks related to impacts to wild salmon.**
- **Additionally DFO is in the process of revising our framework on the application of the precautionary approach to aquaculture. As we move forward with this, I welcome your input.**
- **DFO knows that the Broughton government to government process is an important step in setting direction for finfish aquaculture policy in BC and is prepared to support the process as appropriate respecting BC's authority to make tenure decisions for finfish aquaculture.**
- **I am also interested in hearing industry's ideas to improve engagement with First Nations and address issues of social licence in BC.**

**Lim, Susan**

---

**From:** Lim, Susan  
**Sent:** April-13-18 2:57 PM  
**To:** Backe, Nicole; Taekema, Bernie John; Kosmider, Gabrielle; John Mackie; Lesley Fettes;  
Jim Johnson; Diane Tetarenko  
**Subject:** Agenda - PRT Conference Call - Tuesday, April 17th @ 10 am  
**Attachments:** Apr 17 2018 - PRT Updated Review.docx

Hello everyone,

See attached agenda for the PRT conference call scheduled for Tuesday, April 17th at 10 am.

Let me know if you would like to add anything to the agenda or if you are not able to attend.

Thank you,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

**PRT File Review**  
**17 April 2018**  
**10:00 am**

Call in number: 1-877-413-4781 Code [REDACTED]

Attendees: Diane Tetarenko, Jim Johnson, Lesley Fettes, John Mackie, Gabrielle Kosmider, Bernie Taekema, Nicole Backe  
Secretariat: Susan Lim

**PRT File Review**

<b>Company</b>	<b>ATS / Lands No</b>	<b>Site Ref / TC NPP NO</b>	<b>Application Status</b>	<b>Notes</b>
UHA – Stagg Bay	249558	8333	DFO - FLNRO – TC – Red Flag – req more info eg. tenure plans for the bay	Geoduck – Application will need to be split into 2 landfile numbers if we proceed DFO Pre-screening
UHA – WS Hernando Isl	249557	8373	DFO - FLNRO – TC – JM – Accept	Geoduck – DFO Pre-screening
UHA – NW Hernando Isl	249635	8355	DFO - FLNRO – TC – JM – Accept	Geoduck – DFO Pre-screening
Maplestar Seafood Ltd -Nanose Bay	254483	6712	DFO – FLNRO – Accept TC - Accept	Geoduck, DFO Pre-screening CFIA - This site does not have sufficient biotoxin monitoring for geoduck clams FLNRO accepts – Top view diagram should be re-submitted – require better scan of infrastructure
Klahoose Shellfish Inc. -Baker Passage, N. Hernando Isl	261811	9249	DFO - FLNRO – TC – Accept	Geoduck, DFO Pre-screening FLNRO – Hold – Overlap (Stagg Bay application)
[REDACTED] -Moon Bay, Agamemnon Channel	2404991	1204	DFO - require further info FLNRO – Accept - require more info TC – Accept	Tenure area change from 3 ha to 2.82 ha, Addition of infrastructure (raft, tray culture areas) Apr 12 - PRT Secretariat requested more detailed top-view operational diagram.
Lorindale Holdings Ltd.	267146/ 1403139	127	DFO - FLNRO – TC – Accept	Deep Bay Baynes Sound Addition of Geoduck, IAU Already have active amendment file for this facility. Updated application sent to PRT on April 13 <sup>th</sup> . -added infrastructure & Horse Clam
Rec'd another application on Feb 23, 2018	ATS 270316			
Marine Harvest Canada -Koskimo Bay	1401722	144	DFO - Accept FLNRO – TC – Accept	Amend lease boundary and infrastructure Marco will be reviewing from FLNRO. Waiting for info from MHC.
Grieg Seafood BC Ltd -Ahlstrom	266673/ 2408042	1698	DFO - FLNRO – TC – Accept	Tenure expansion, addition of infrastructure and production -relocate Kunechin to Ahlstrom -awaiting updated application
Grieg Seafood BC Ltd -Culloden Point	266678/ 2408043	1697	DFO - FLNRO – TC – Accept	Tenure expansion, addition of infrastructure and production -relocate Newcomb to Culloden Point - awaiting updated application
Marine Harvest Canada -Shelter Passage	268964 1404091	831	DFO - Accept FLNRO – TC –	Replacement of cage array plan from 70m to 80m.
Northeast Shellfish -Northeast Bay	266998	9349	DFO - FLNRO – TC – Accept	13 species includes geoduck – DFO Pre-screening
Barkley Sound Shellfish LP	268796	9350	DFO - require additional info FLNRO –	10 Ha, Geoduck – DFO Pre-screening -awaiting response from TC

-Macaoh Passage - A			TC - Accept	Apr 11 - PRT Secretariat emailed client requesting additional info. BF Apr 25 <sup>th</sup> .
Barkley Sound Shellfish LP -Macaoh Passage - B	268800	9351	DFO - req additional info FLNRO - accept if they change tenure type to licence to occupy TC -	6.3 Ha -Geoduck - DFO Pre-screening - see above comment
Marine Harvest Canada -Mahatta West	269488/ 1406961	1238	DFO - Accept/will not be assessing FLNRO - TC - Accept	Increase tenure boundary for anchoring. No change in production or infrastructure. Marco will be working on this file. TC rec'd additional map.
Marine Harvest Canada -Mahatta East	269810/ 1403748	1338	DFO - Accept/will not be assessing FLNRO - TC - Accept	Increase tenure boundary for anchoring. No change in production or infrastructure. Marco will be working on this file. TC rec'd additional map.
Grieg Seafood BC Ltd. -Noo-la	1411154	1825	DFO - Do Not Accept FLNRO - Accept TC - Accept	(Bennett Point), IAU Change cage array configuration

Accepted but waiting Official Referral - FLNRO working on statusing and engagement letter				
	260534 / 1413764	9171	DFO - Accept FLNRO - Accept TC - Accept	Geoduck, Baynes Sound PRT accepted Dec. 19, 2017 Statusing, waiting for Eng/Referrals to be sent.
Abrupt Shellfish Inc.	262592 / 1414783	9289	DFO - Accept FLNRO - Accept TC - Accept	Geoduck, Preedy Harbour west PRT accepted - Dec. 19, 2017 Statusing, waiting for Eng/Referrals to be sent
Penelakut Seafoods -Booth Bay	253164 / 1414788	9149	DFO - Accept FLNRO - Accept TC - Accept	Manila Clam, Pacific Oyster, Littleneck Clam PRT accepted - Jan. 9, 2018 Statusing, waiting for Eng/Referrals to be sent
MHC -Glacier Falls	1405180	821	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. PRT accepted - Mar 7, 2018
MHC -Humphrey Rock	1409707	1618	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. PRT accepted Mar 7, 2018
MHC -Sargeant's Passage	1403328	1059	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. PRT accepted Mar 7, 2018
Cermaq Cda -Cypress Harbour	1405381	458	DFO - Accept FLNRO - Accept TC - Accept	IAU, change in ancillary structures PRT accepted Mar. 7, 2018
Cermaq Cda -Wehlis Bay	1407731	1335	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	IAU, change in cage array configuration PRT accepted Mar. 7, 2018
Cermaq -Simmonds Point	1407730	1336	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	IAU, change in cage array configuration PRT accepted Mar. 7, 2018

Decision Pending / AIP	Type	Facility	Facility	Landfile	Status
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			No	No	
Canadian King Research Inc.	SF NEW	S of Rebecca Spit (IGMF)	6833	1411182	Decision Pending
Pentlatch Seafoods Ltd.	SF NEW	Comox Bar (IGMF)	1975	1411212	Decision Pending

#### Topics to Discuss

\*\*\* When applications are still at PRT, we should combine all our requests to client into one request and I will send out to client. This will prevent confusion on who is being sent what.

Metlakatla Development Corporation Applications – Morse Basin #1 & #2, Tuck Inlet #1, #2, #3  
 - Nov. 30, 2017 - FCBC sent letter to Metlakatla including options for Tuck Inlet applications.

#### DFO - Clock Paused – On Hold and Approved in Principle

1403139/127 - Lorindale Holdings [REDACTED] – Clock Pause - Litigation – Under Review – June 1 litigation seems to be resolving itself but this is in the Comox area so FN issues to follow  
 ATS156286/1261 1407063 - Odyssey Seafood - Harmonization and coordination of decision-making  
 ATS 150100/535 0278745 - Mac's Oysters - Harmonization and coordination of decision-making  
 ATS 150101/1533 0278772 - Mac's Oysters - Harmonization and coordination of decision-making  
 ATS 150485/531 0278755 - Mac's Oysters - Harmonization and coordination of decision-making  
 ATS 150097/521 0278767 - Mac's Oysters - Harmonization and coordination of decision-making  
 ATS 150099/519 0278753 - [REDACTED] (Mac's) - Harmonization and coordination of decision-making  
 ATS 155429/7614 1414372 - [REDACTED] - Harmonization and coordination of decision-making  
 ATS 155430/7693 2409221 - [REDACTED] site 2 - Harmonization and coordination of decision-making

New Issue – Unlicensed facilities – DFO to review applications 1<sup>st</sup> – would like to renew as they would have originally been licensed for, and then accept an amendment application. This would have to be looked at 1<sup>st</sup> on a case by case basis.

s.19(1)

**Lim, Susan**

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**From:** Lim, Susan  
**Sent:** April-27-18 3:19 PM  
**To:** Backe, Nicole; Taekema, Bernie John; Kosmider, Gabrielle; John Mackie; Lesley Fettes;  
Jim Johnson; Diane Tetarenko  
**Subject:** Agenda - PRT Conference Call - Tuesday, May 1st @ 10 am  
**Attachments:** May 1 2018 - PRT Updated Review.docx

Hello everyone,

See attached agenda for the PRT conference call scheduled for Tuesday, May 1<sup>st</sup> at 10 am.

Let me know if you would like to add anything to the agenda or if you are not able to attend.

Thank you,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)



**PRT File Review  
01 May 2018  
10:00 am**

Call in number: 1-877-413-4781 Code [REDACTED]

Attendees: Diane Tetarenko, Jim Johnson, Lesley Fettes, John Mackie, Gabrielle Kosmider, Bernie Taekema, Nicole Backe  
Secretariat: Susan Lim

**PRT File Review**

Company	ATS / Lands No	Site Ref / TC NPP NO	Application Status	Notes
UHA – Stag Bay	249558	8333	DFO ARM – Accept DFO AEO – FLNRO – TC – [REDACTED] – req more info eg. tenure plans for the bay	Geoduck – Application will need to be split into 2 landfile numbers if we proceed
UHA – WS Hernando Isl	249557	8373	DFO ARM – Accept DFO AEO – FLNRO – TC – JM – Accept	Geoduck
UHA – NW Hernando Isl	249635	8355	DFO ARM – Accept DFO AEO – FLNRO – TC – JM – Accept	Geoduck
Maplestar Seafood Ltd -Nanoose Bay	254483	6712	DFO ARM – Accept DFO AEO – FLNRO – Accept TC – Accept	Geoduck, DFO Pre-screening CFIA - This site does not have sufficient biotoxin monitoring for geoduck clams
Klahoose Shellfish Inc. -Baker Passage, N. Hernando Isl	261811	9249	DFO ARM - req additional info DFO AEO – FLNRO – TC – Accept	Geoduck, DFO Pre-screening FLNRO – Hold – Overlap (Stagg Bay application) DFO requires top view ops diagram
[REDACTED] -Moon Bay, Agamemnon Channel	2404991	1204	DFO ARM - require further info DFO AEO – FLNRO – Accept - require more info TC – Accept	Tenure area change from 3 ha to 2.82 ha, Addition of infrastructure (raft, tray culture areas) Apr 17 - PRT Secretariat requested more detailed top-view operational diagram.
Marine Harvest Canada -Koskimo Bay	1401722	144	DFO – Accept FLNRO – TC – Accept	Amend lease boundary and infrastructure Lesley is reviewing from FLNRO. Will discuss further with Bernie.
Grieg Seafood BC Ltd -Culloden Point	266678/ 2408043	1697	DFO – FLNRO – req more info (hold) TC – Accept	Tenure expansion, addition of infrastructure and production -relocate Newcomb to Culloden Point - Jim awaiting additional information
Marine Harvest Canada -Shelter Passage	268964 1404091	831	DFO – Accept FLNRO – TC – Accept	Replacement of cage array plan from 70m to 80m.
Northeast Shellfish -Northeast Bay	266998	9349	DFO ARM – Accept DFO AEO – FLNRO – TC – Accept	13 species includes geoduck – DFO Pre-screening completed
Barkley Sound Shellfish LP -Macaoh Passage - A	268796	9350	DFO ARM - require additional info DFO AEO – FLNRO – TC – Accept	10 Ha, Geoduck – DFO Pre-screening completed. -awaiting response from TC Apr 27 - Secretariat sent emailed PRT the additional info rec'd from applicant.
Barkley Sound Shellfish LP -Macaoh Passage - B	268800	9351	DFO ARM - req additional info DFO AEO – FLNRO – accept if they change tenure type to licence to occupy TC –	6.3 Ha -Geoduck – DFO Pre-screening - see above comment

Marine Harvest Canada -Mahatta West	269488/ 1406961	1238	DFO - Accept/will not be assessing FLNRO - TC - Accept	Increase tenure boundary for anchoring. No change in production or infrastructure. TC rec'd additional map.
Marine Harvest Canada -Mahatta East	269810/ 1403748	1338	DFO - Accept/will not be assessing FLNRO - TC - Accept	Increase tenure boundary for anchoring. No change in production or infrastructure. TC rec'd additional map.
DIA Technologies -Agamemnon Channel Farm	2401887	102	DFO ARM - DFO AEO - FLNRO - TC -	Defining new target species among approved list and redefining the farming system. (IAU)

Accepted but waiting Official Referral - FLNRO working on statusing and engagement letter				
	260534 / 1413764	9171	DFO - Accept FLNRO - Accept TC - Accept	Geoduck, Baynes Sound PRT accepted Dec. 19, 2017 Waiting for Eng Letters to be written.
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Penelakut Seafoods -Booth Bay	253164 / 1414788	9149	DFO - Accept FLNRO - Accept TC - Accept	Manila Clam, Pacific Oyster, Littleneck Clam PRT accepted - Jan. 9, 2018 Waiting for Eng Letters to be written.
Grieg Seafood BC Ltd -Ahlstrom	266673/ 2408042	1698	DFO - Accept FLNRO - Accept TC - Accept	Tenure expansion, addition of infrastructure and production -relocate Kunechin to Ahlstrom PRT accepted - April 19, 2018 Statusing, waiting for Eng/Referrals to be sent
Grieg Seafood BC Ltd. -Noo-la	1411154	1825	DFO - Accept FLNRO - Accept TC - Accept	(Bennett Point), IAU Change cage array configuration PRT accepted - April 24, 2018
MHC -Glacier Falls	1405180	821	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. PRT accepted - Mar 7, 2018
MHC -Humphrey Rock	1409707	1618	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. PRT accepted Mar 7, 2018
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Cermaq Cda -Cypress Harbour	1405381	458	DFO - Accept FLNRO - Accept TC - Accept	IAU, change in ancillary structures PRT accepted Mar. 7, 2018
Cermaq Cda -Wehlis Bay	1407731	1335	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	IAU, change in cage array configuration PRT accepted Mar. 7, 2018
Cermaq -Simmonds Point	1407730	1336	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	IAU, change in cage array configuration PRT accepted Mar. 7, 2018

s.19(1)

Decision Pending / AIP	Type	Facility	Facility No	Landfile No	Status
Canadian King Research Inc.	SF NEW	S of Rebecca Spit (IGMF)	6833	1411182	Decision Pending
Pentlatch Seafoods Ltd.	SF NEW	Comox Bar (IGMF)	1975	1411212	Decision Pending

#### Topics to Discuss

\*\*\*\*\* Discuss Emerald Sea Farms application from June 2013 for a new shellfish licence 4.0 hectare at southern end of Nelson Island, West of Malaspina Inlet. Applicant requested to culture 40 MT of geoduck clam using subtidal culture methodology. – DFO will be approving, any other agencies have any concern?

When applications are still at PRT, we should combine all our requests to client into one request and I will send out to client. This will prevent confusion on who is being sent what.

Metlakatla Development Corporation Applications – Morse Basin #1 & #2, Tuck Inlet #1, #2, #3

- Nov. 30, 2017 - FCBC sent letter to Metlakatla including options for Tuck Inlet applications.

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1403139/127 - Lorindale Holdings [REDACTED] – Clock Pause - Litigation – Under Review –

June 1 litigation seems to be resolving itself but this is in the Comox area so FN issues to follow

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ATS 150101/1533 0278772 - Mac's Oysters - Harmonization and coordination of decision-making

ATS 150485/531 0278755 - Mac's Oysters - Harmonization and coordination of decision-making

ATS 150097/521 0278767 - Mac's Oysters - Harmonization and coordination of decision-making

ATS 150099/519 0278753 - [REDACTED] (Mac's) - Harmonization and coordination of decision-

ATS 155429/7614 1414372 - [REDACTED] - Harmonization and coordination of decision-making

ATS 155430/7693 2409221 - [REDACTED] site 2 - Harmonization and coordination of decision-making

New Issue – Unlicensed facilities – DFO to review applications 1<sup>st</sup> – would like to renew as they would have originally been licensed for, and then accept an amendment application. This would have to be looked at 1<sup>st</sup> on a case by case basis.

**Lim, Susan**

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**From:** Lim, Susan  
**Sent:** May-11-18 2:49 PM  
**To:** Backe, Nicole; Taekema, Bernie John; Kosmider, Gabrielle; John Mackie; Lesley Fettes;  
Jim Johnson; Diane Tetarenko  
**Subject:** Agenda - PRT Conference Call - Tuesday, May 15th @ 10 am  
**Attachments:** May 15 2018 - PRT Updated Review.docx

Hello everyone,

See attached agenda for the PRT conference call scheduled for Tuesday, May 15th at 10 am.

Let me know if you would like to add anything to the agenda or if you are not able to attend.  
Thanks John for advising me that you will be on leave.

Regards,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

**PRT File Review**  
**15 May 2018**  
**10:00 am**

Call in number: 1-877-413-4781 Code [REDACTED]

Attendees: Diane Tetarenko, Jim Johnson, Lesley Fettes, John Mackie, Gabrielle Kosmider, Bernie Taekema, Nicole Backe  
 Secretariat: Susan Lim

**PRT File Review**

Company	ATS / Lands No	Site Ref / TC NPP NO	Application Status	Notes
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UHA – NW Hernando Isl	249635	8355	DFO ARM – Accept FLNRO – TC – JM – Accept	Geoduck
Klahoose Shellfish Inc. -Baker Passage, N. Hernando Isl	261811	9249	DFO ARM - req additional info FLNRO – TC – Accept	Geoduck, DFO Pre-screening FLNRO – Hold – Overlap (Stagg Bay application) DFO requires top view ops diagram
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Marine Harvest Canada -Koskimo Bay	1401722	144	DFO - Accept FLNRO – TC – Accept	Amend lease boundary and infrastructure Lesley is reviewing from FLNRO. Waiting for more info from applicant.
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Barkley Sound Shellfish LP -Macaoh Passage - A	268796	9350	DFO ARM - FLNRO – TC – Do Not Accept-req info	10 Ha, Geoduck – DFO Pre-screening completed. Apr 27 - Secretariat emailed PRT the updated application from applicant. May 3-TC would like additional info.
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s.16(2)(c)

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s.19(1)

s.21(1)(b)

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DIA Technologies -Agamemnon Channel Farm	2401887	102	DFO ARM – FLNRO – TC –	Defining new target species among approved list and redefining the farming system. (IAU)
Marine Harvest Canada -Monday Rock	ATS 271399/ 1406960	1237	DFO ARM – FLNRO – TC –	Amend lease boundary and infrastructure.

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s.19(1)

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When applications are still at PRT, we should combine all our requests to client into one request and I will send out to client. This will prevent confusion on who is being sent what.

Metlakatla Development Corporation Applications – Morse Basin #1 & #2, Tuck Inlet #1, #2, #3

- Nov. 30, 2017 - FCBC sent letter to Metlakatla including options for Tuck Inlet applications.
- May 3, 2018 – Melinda contacted applicants for Morse Basin #1 & #2. They will be submitting new site applications to FCBC.

#### DFO - Clock Paused – On Hold and Approved in Principle

ATS156286/1261 1407063 - Odyssey Seafood - Harmonization and coordination of decision-making  
ATS 150100/535 0278745 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150101/1533 0278772 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150485/531 0278755 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150097/521 0278767 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150099/519 0278753 - [REDACTED] (Mac's) - Harmonization and coordination of decision-making  
ATS 155429/7614 1414372 - [REDACTED] - Harmonization and coordination of decision-making  
ATS 155430/7693 2409221 - [REDACTED] site 2 - Harmonization and coordination of decision-making

DFO AIP 6815 1414149 Emerald Sea Farms Ltd. – Harmonization and coordination of decision-making

New Issue – Unlicensed facilities – DFO to review applications 1<sup>st</sup> – would like to renew as they would have originally been licensed for, and then accept an amendment application. This would have to be looked at 1<sup>st</sup> on a case by case basis.

**Parsons, Jay**

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**From:** McCorquodale, Brenda  
**Sent:** Tuesday, May 15, 2018 9:41 AM  
**To:** LaRue, Jean-François; Parsons, Jay; Webb, Allison; Lavigne, Lauren  
**Subject:** Re: A couple of thoughts the way forward for BC

The Interior First Nations are most concerned with the Fraser stocks/ migratory route (Discovery Islands and Queen Charlottetown Strait), and coastal First Nations have significant concerns about their local salmon stocks in local streams as well as possible impacts on other species (herring, prawns, etc.). The Broughton issues are more related to local Broughton Resource concerns.

Brenda  
Brenda McCorquodale

Regional Manager, Aquaculture Resource Management  
Fisheries and Oceans Canada  
Gestionnaire régionale des ressources, Direction des pêches  
Pêches et Océans Canada

1965 Island Diesel Way | Nanaimo, BC | Nanaimo, CB | V9S 5W8  
Email | Courriel: Brenda.McCorquodale@dfo-mpo.gc.ca  
Telephone | Téléphone: 250-902-8865

s.21(1)(a)  
s.21(1)(b)

**From:** LaRue, Jean-François  
**Sent:** Tuesday, May 15, 2018 5:55 AM  
**To:** Parsons, Jay; Webb, Allison; Lavigne, Lauren; McCorquodale, Brenda  
**Subject:** FW: A couple of thoughts the way forward for BC

Views ?

**From:** Struthers, Alistair  
**Sent:** Tuesday, May 15, 2018 8:54 AM  
**To:** LaRue, Jean-François <Jean-Francois.LaRue@dfo-mpo.gc.ca>; Haesevoets, Roderick <Roderick.Haesevoets@dfo-mpo.gc.ca>  
**Cc:** Williams, Darren <Darren.Williams@dfo-mpo.gc.ca>  
**Subject:** A couple of thoughts the way forward for BC



JF,

As discussed this morning, a couple of thoughts on possible actions for a way forward in BC



Hope this is useful.

Alistair

Alistair Struthers

Director, Aquaculture Operations  
Aquaculture Management Directorate  
Fisheries and Oceans / Government of Canada  
[Alistair.Struthers@dfo-mpo.gc.ca](mailto:Alistair.Struthers@dfo-mpo.gc.ca) / Tel: 613-998-6567

s.21(1)(a)

s.21(1)(b)

Directeur, Opérations de l'aquaculture  
Direction générale de la gestion de l'aquaculture  
Pêches et Océans Canada / Gouvernement du Canada  
[Alistair.Struthers@dfo-mpo.gc.ca](mailto:Alistair.Struthers@dfo-mpo.gc.ca) / Tél : 613-998-6567

**Lim, Susan**

---

**From:** Lim, Susan  
**Sent:** May-24-18 11:06 AM  
**To:** westcoast.landreferrals@gov.bc.ca  
**Cc:** Hedderson, Lisa  
**Subject:** Request for shapefiles for Aquaculture Applications

Good morning,

I am requesting shapefiles for the below aquaculture applications. Please forward the shapefiles to [Lisa.Hedderson@dfo-mpo.gc.ca](mailto:Lisa.Hedderson@dfo-mpo.gc.ca)

Let me know if you have any questions.

Thank you,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

---

**From:** Hedderson, Lisa  
**Sent:** May-24-18 10:04 AM  
**To:** Backe, Nicole  
**Cc:** Lim, Susan  
**Subject:** RE: PRT GIS Screening list

Ok thanks, I do not see the shapefiles for:

- Marine Harvest Canada, Mahatta West (1238) – ATS 269488, LF 1406961
- Marine Harvest Canada, Mahatta East (1338) – ATS 269810, LF 1403748
- Grieg Seafood BC Ltd, Culloden (1697) – ATS 266678, LF 2408043
- Marine Harvest Canada, Glacier falls (821) – LF 1405180
- Grieg Seafood BC Ltd, Ahlstrom (1698) – ATS 266673, LF 2408042

**Lisa Hedderson**  
Aquaculture Management Coordinator  
Telephone | Téléphone **250.754.0407**

**Lim, Susan**

---

**From:** Lim, Susan  
**Sent:** May-25-18 1:28 PM  
**To:** Backe, Nicole; Taekema, Bernie John; Kosmider, Gabrielle; John Mackie; Lesley Fettes; Jim Johnson; Diane Tetarenko  
**Subject:** Agenda - PRT Conference Call - Tuesday, May 29th at 10 am  
**Attachments:** May 29 2018 - PRT Updated Review.docx

Hello everyone,

See attached agenda for the PRT conference call scheduled for Tuesday, May 29th at 10 am.

Let me know if you would like to add anything to the agenda or if you are not able to attend.

Thank you,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

**PRT File Review**  
**29 May 2018**  
**10:00 am**

Call in number: 1-877-413-4781 Code [REDACTED]

Attendees: Diane Tetarenko, Jim Johnson, Lesley Fettes, John Mackie, Gabrielle Kosmider, Bernie Taekema, Nicole Backe  
Secretariat: Susan Lim

**PRT File Review**

Company	ATS / Lands No	Site Ref / TC NPP NO	Application Status	Notes
UHA – Stag Bay	249558	8333	DFO ARM – Accept FLNRO – TC – [REDACTED] – req more info eg. tenure plans for the bay	Geoduck – Application will need to be split into 2 landfile numbers if we proceed
UHA – WS Hernando Isl	249557	8373	DFO ARM – Accept FLNRO – TC – JM – Accept	Geoduck
UHA – NW Hernando Isl	249635	8355	DFO ARM – Accept FLNRO – TC – JM – Accept	Geoduck
Klahoose Shellfish Inc. -Baker Passage, N. Hernando Isl	261811	9249	DFO ARM - req additional info FLNRO – TC – Accept	Geoduck, DFO Pre-screening FLNRO – Hold – Overlap (Stagg Bay application) DFO requires top view ops diagram
[REDACTED] -Moon Bay, Agamemnon Channel	2404991	1204	DFO ARM - Accept FLNRO – Accept - require more info TC – Accept	IAU, Tenure area change from 3 ha to 2.82 ha, Addition of infrastructure (raft, tray culture areas) May 7 - PRT Secretariat emailed updated maps to PRT members. FLNRO – Jim to confirm acceptance with PRT worksheet.
Marine Harvest Canada -Koskimo Bay	1401722	144	DFO - Accept FLNRO – TC – Accept	Amend lease boundary and infrastructure Marco is waiting for more info from applicant.
Marine Harvest Canada -Shelter Passage	268964 1404091	831	DFO - Accept FLNRO – TC – Accept	Replacement of cage array plan from 70m to 80m. -Marco is reviewing and will provide update soon.
Northeast Shellfish -Northeast Bay	266998	9349	DFO ARM – Accept FLNRO – req additional info TC – Accept	13 species includes geoduck – DFO Pre-screening completed -May 2 -FLNRO to request for additional information. If FLNRO accepts, pls send Secretariat PRT worksheet.
Barkley Sound Shellfish LP -Macaoh Passage - A	268796	9350	DFO ARM - FLNRO – TC – Do Not Accept-req info	10 Ha, Geoduck – DFO Pre-screening completed. Apr 27 - Secretariat emailed PRT the updated application from applicant. May 3-TC would like additional info. May 15 -DFO to review and discuss at next PRT meeting.
Barkley Sound Shellfish LP -Macaoh Passage - B	268800	9351	DFO ARM - req additional info FLNRO – accept if they change tenure type to licence to occupy TC –	6.3 Ha -Geoduck – DFO Pre-screening - see above comment. Will need to confirm whether this application will be withdrawn.
Marine Harvest Canada -Mahatta West	269488/ 1406961	1238	DFO - Accept/will not be assessing FLNRO – TC – Accept	Increase tenure boundary for anchoring. No change in production or infrastructure. TC rec'd additional map.

s.16(2)(c)

s.19(1)

s.21(1)(b)

				Marco will be confirming if this is IAU
Marine Harvest Canada -Mahatta East	269810/ 1403748	1338	DFO - Accept/will not be assessing FLNRO - TC - Accept	Increase tenure boundary for anchoring. No change in production or infrastructure. TC rec'd additional map. Marco will be confirming if this is IAU.
DIA Technologies -Agamemnon Channel Farm	2401887	102	DFO - FLNRO - TC -	Defining new target species among approved list and redefining the farming system. (IAU)
Marine Harvest Canada -Monday Rock	ATS 271399/ 1406960	1237	DFO - Accept FLNRO - TC - Accept	Amend lease boundary and infrastructure.

Accepted but waiting Official Referral - FLNRO working on statusing and engagement letter				
	260534 / 1413764	9171	DFO - Accept FLNRO - Accept TC - Accept	Geoduck, Baynes Sound PRT accepted Dec. 19, 2017 Waiting for Eng Letters to be written.
Abrupt Shellfish Inc.	262592 / 1414783	9289	DFO - Accept FLNRO - Accept TC - Accept	Geoduck, Preedy Harbour west PRT accepted - Dec. 19, 2017 Waiting for Eng Letters to be written.
Penelakut Seafoods -Booth Bay	253164 / 1414788	9149	DFO - Accept FLNRO - Accept TC - Accept	Manila Clam, Pacific Oyster, Littleneck Clam PRT accepted - Jan. 9, 2018 Waiting for Eng Letters to be written.
Grieg Seafood BC Ltd -Ahlstrom	266673/ 2408042	1698	DFO - Accept FLNRO - Accept TC - Accept	Tenure expansion, addition of infrastructure and production -relocate Kunechin to Ahlstrom PRT accepted - April 19, 2018 Statusing, waiting for Eng/Referrals to be sent
Maplestar Seafood Ltd -Nanose Bay	254483	6712	DFOARM - Accept DFO AEO - accept FLNRO - Accept TC - Accept	Geoduck PRT accepted - April 30, 2018 Waiting for Statusing
Grieg Seafood BC Ltd -Culloden Point	266678/ 2408043	1697	DFO - Accept FLNRO - Accept TC - Accept	Tenure expansion, addition of infrastructure and production -relocate Newcomb to Culloden PRT accepted May 10, 2018 Statusing, waiting for Eng/Referrals to be sent
Grieg Seafood BC Ltd. -Noo-la	1411154	1825	DFO - Accept FLNRO - Accept TC - Accept	(Bennett Point), IAU Change cage array configuration PRT accepted - April 24, 2018
MHC -Glacier Falls	1405180	821	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. PRT accepted - Mar 7, 2018
MHC -Humphrey Rock	1409707	1618	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. PRT accepted Mar 7, 2018
MHC -Sargeant's Passage	1403328	1059	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. PRT accepted Mar 7, 2018
Cermaq Cda -Cypress Harbour	1405381	458	DFO - Accept FLNRO - Accept TC - Accept	IAU, change in ancillary structures PRT accepted Mar. 7, 2018
Cermaq Cda -Wehlis Bay	1407731	1335	DFO - Accept/will not be assessing	IAU, change in cage array configuration

			FLNRO – Accept TC – Accept	PRT accepted Mar. 7, 2018
Cermaq -Simmonds Point	1407730	1336	DFO - Accept/will not be assessing FLNRO – Accept TC – Accept	IAU, change in cage array configuration PRT accepted Mar. 7, 2018

Decision Pending / AIP	Type	Facility	Facility No	Landfile No	Status
Emerald Sea Farms Ltd	SF NEW	S. Nelson Island, West of Malaspina	6815	1414149	AIP
Tla'amin Nation	SF NEW	SE Harwood Island	6710	1413796	AIP (Pre-Seed harvest)

#### Topics to Discuss

\*\*\*\*\* Discuss Emerald Sea Farms application from June 2013 for a new shellfish licence 4.0 hectare at southern end of Nelson Island, West of Malaspina Inlet. Applicant requested to culture 40 MT of geoduck clam using subtidal culture methodology. – DFO ready to issue. FLNRO to advise when ready to issue.

When applications are still at PRT, we should combine all our requests to client into one request and I will send out to client. This will prevent confusion on who is being sent what.

Metlakatla Development Corporation Applications – Morse Basin #1 & #2 (Seed only), Tuck Inlet #1, #2, #3 (Appendix 13)

- Nov. 30, 2017 - FCBC sent letter to Metlakatla including options for Tuck Inlet applications.
- May 3, 2018 – Melinda contacted applicants for Morse Basin #1 & #2. They will be submitting new site applications to FCBC.

#### DFO - Clock Paused – On Hold and Approved in Principle

ATS156286/1261 1407063 - Odyssey Seafood - Harmonization and coordination of decision-making  
ATS 150100/535 0278745 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150101/1533 0278772 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150485/531 0278755 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150097/521 0278767 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150099/519 0278753 - [REDACTED] (Mac's) - Harmonization and coordination of decision-making  
ATS 155429/7614 1414372 - [REDACTED] - Harmonization and coordination of decision-making  
ATS 155430/7693 2409221 - [REDACTED] site 2 - Harmonization and coordination of decision-making

DFO AIP 6815 1414149 Emerald Sea Farms Ltd. – Harmonization and coordination of decision-making  
DFO AIP 6710 1413796 Tla'amin Nation – Pre-seed harvesting

New Issue – Unlicensed facilities – DFO to review applications 1<sup>st</sup> – would like to renew as they would have originally been licensed for, and then accept an amendment application. This would have to be looked at 1<sup>st</sup> on a case by case basis.

s.19(1)

**Parsons, Jay**

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**From:** Parsons, Jay  
**Sent:** Monday, May 28, 2018 5:00 PM  
**To:** Campbell, John P.  
**Cc:** Medeiros, Dean; Moore, Wayne; LaRue, Jean-François; Haesevoets, Roderick; Webb, Allison; Lavigne, Lauren; Ikejiani, Alexander (DOJ)  
**Subject:** [REDACTED]

John,

[REDACTED]

[REDACTED]

Jay

---

**From:** Webb, Allison  
**Sent:** Monday, May 28, 2018 3:32 PM  
**To:** Campbell, John P.; Ikejiani, Alexander (DOJ); Parsons, Jay; Lavigne, Lauren  
**Cc:** Medeiros, Dean; Moore, Wayne; LaRue, Jean-François; Haesevoets, Roderick  
**Subject:** [REDACTED]

[REDACTED]

Hi –

[REDACTED]

Thanks and if you have any questions, I'm in all week for follow up,  
Allison

Allison Webb, Director / Directrice  
Aquaculture Management / Gestion de l'aquaculture  
Fisheries Management Branch / Direction de la gestion des pêches  
Fisheries and Oceans Canada / Pêches et Océans Canada  
200 - 401 Burrard St / Rue Burrard, Vancouver BC / C.B. V6C 3S4 Canada  
604-666-7009  
Allison.webb@dfo-mpo.gc.ca

s.21(1)(a)

s.21(1)(b)

s.23

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**From:** Campbell, John P.  
**Sent:** 2018-May-28 10:07 AM  
**To:** Ikejiani, Alexander (DOJ); Parsons, Jay; Webb, Allison; Lavigne, Lauren  
**Cc:** Medeiros, Dean; Moore, Wayne; LaRue, Jean-François; Haesevoets, Roderick  
**Subject:** [REDACTED]

Hi folks [REDACTED]

[REDACTED]

Thx

[REDACTED]

---

**From:** Campbell, John P.  
**Sent:** May 28, 2018 10:57 AM  
**To:** LaRue, Jean-François  
**Cc:** Paquette, Michael; Medeiros, Dean  
**Subject:** [REDACTED]

Ok

[REDACTED]

---

**From:** LaRue, Jean-François  
**Sent:** Monday, May 28, 2018 10:30 AM  
**To:** Campbell, John P. <[John.Campbell@dfo-mpo.gc.ca](mailto:John.Campbell@dfo-mpo.gc.ca)>  
**Cc:** Paquette, Michael <[Michael.Paquette@dfo-mpo.gc.ca](mailto:Michael.Paquette@dfo-mpo.gc.ca)>  
**Subject:** [REDACTED]

[REDACTED]

---

**From:** Ryan, Sandra-Lee  
**Sent:** May-25-18 1:02 PM  
**To:** Church, Ashley; Kaba, Kyle; Johal, Sharan; Daspe, Caroline; Genier, Sylvie; Iacovitti, Michelle; Richter, Julie; Villeneuve, Anne-Marie

s.21(1)(a)

2 - s.21(1)(b)

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**Cc:** XNCR-Grp, DMO Correspondence & Briefing Unit; Trudeau, Miriam

**Subject:** [REDACTED]

Good afternoon,

[REDACTED]

Lead: AE

Input: PAC

[REDACTED]

BF in DMO: June 1, 2018

[REDACTED]

\*\*\*\*\*

If you require an extension or clarification after consulting with your Group's program(s) and/or manager, please  
email [DMO.CBUnit@dfo-mpo.gc.ca](mailto:DMO.CBUnit@dfo-mpo.gc.ca)

\*\*\*\*\*

Thank you,

Sandra Ryan

Telephone | Téléphone (613) 991-0384

s.21(1)(a)

s.21(1)(b)

s.23

**From:** Butcher, Ashley  
**Sent:** May-25-18 3:41 PM  
**To:** XNCR-Grp, DMO Correspondence & Briefing Unit  
**Cc:** Trudeau, Miriam  
**Subject:** [REDACTED]

Hello: Please assign the following in GCCMS:

[REDACTED]

[REDACTED]

**Lead:** AE

**Input:** PAC

**BF in DMO:** Friday, June 1, 2018

**Instructions / Supplementary Information:** [REDACTED]  
[REDACTED]  
[REDACTED]

Thanks,

Ashley Butcher

DMO

(613) 990-0020

s.21(1)(a)

s.21(1)(b)

s.23

**Pages 389 to / à 393**  
**are withheld pursuant to section**  
**sont retenues en vertu de l'article**

**23**

**of the Access to Information Act**  
**de la Loi sur l'accès à l'information**

## Parsons, Jay

---

**From:** Moore, Wayne  
**Sent:** Monday, May 28, 2018 5:58 PM  
**To:** Parsons, Jay; Campbell, John P.  
**Cc:** Medeiros, Dean; LaRue, Jean-François; Haesevoets, Roderick; Webb, Allison; Lavigne, Lauren; Ikejiani, Alexander (DOJ)  
**Subject:** [REDACTED]

---

**From:** Parsons, Jay  
**Sent:** May 28, 2018 5:00 PM  
**To:** Campbell, John P. <John.Campbell@dfo-mpo.gc.ca>  
**Cc:** Medeiros, Dean <Dean.Medeiros@dfo-mpo.gc.ca>; Moore, Wayne <Wayne.Moore@dfo-mpo.gc.ca>; LaRue, Jean-François <Jean-Francois.LaRue@dfo-mpo.gc.ca>; Haesevoets, Roderick <Roderick.Haesevoets@dfo-mpo.gc.ca>; Webb, Allison <Allison.Webb@dfo-mpo.gc.ca>; Lavigne, Lauren <Lauren.Lavigne@dfo-mpo.gc.ca>; Ikejiani, Alexander (DOJ) <Alexander.Ikejiani@justice.gc.ca>  
**Subject:** [REDACTED]

John,

Jay

---

**From:** Webb, Allison  
**Sent:** Monday, May 28, 2018 3:32 PM  
**To:** Campbell, John P.; Ikejiani, Alexander (DOJ); Parsons, Jay; Lavigne, Lauren  
**Cc:** Medeiros, Dean; Moore, Wayne; LaRue, Jean-François; Haesevoets, Roderick  
**Subject:** [REDACTED]

Hi –

Thanks and if you have any questions, I'm in all week for follow up,  
Allison

s.21(1)(a)

s.21(1)(b)

s.23

Allison Webb, Director / Directrice  
Aquaculture Management / Gestion de l'aquaculture  
Fisheries Management Branch / Direction de la gestion des pêches  
Fisheries and Oceans Canada / Pêches et Océans Canada  
200 - 401 Burrard St / Rue Burrard, Vancouver BC / C.B. V6C 3S4 Canada  
604-666-7009  
Allison.webb@dfo-mpo.gc.ca

---

**From:** Campbell, John P.  
**Sent:** 2018-May-28 10:07 AM  
**To:** Ikejiani, Alexander (DOJ); Parsons, Jay; Webb, Allison; Lavigne, Lauren  
**Cc:** Medeiros, Dean; Moore, Wayne; LaRue, Jean-François; Haesevoets, Roderick  
**Subject:** [REDACTED]

Hi folks [REDACTED]

[REDACTED]

Thx

[REDACTED]

---

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**Sent:** May 28, 2018 10:57 AM  
**To:** LaRue, Jean-François  
**Cc:** Paquette, Michael; Medeiros, Dean  
**Subject:** [REDACTED]

Ok

[REDACTED]

---

**From:** LaRue, Jean-François  
**Sent:** Monday, May 28, 2018 10:30 AM  
**To:** Campbell, John P. <[John.Campbell@dfo-mpo.gc.ca](mailto:John.Campbell@dfo-mpo.gc.ca)>

s.21(1)(a)  
s.21(1)(b)  
s.23

**Cc:** Paquette, Michael <[Michael.Paquette@dfo-mpo.gc.ca](mailto:Michael.Paquette@dfo-mpo.gc.ca)>

**Subject:** [REDACTED]

---

**From:** Ryan, Sandra-Lee

**Sent:** May-25-18 1:02 PM

**To:** Church, Ashley; Kaba, Kyle; Johal, Sharan; Daspe, Caroline; Genier, Sylvie; Iacovitti, Michelle; Richter, Julie; Villeneuve, Anne-Marie

**Cc:** XNCR-Grp, DMO Correspondence & Briefing Unit; Trudeau, Miriam

**Subject:** [REDACTED]

Good afternoon,

[REDACTED]

Lead: AE

Input: PAC

[REDACTED]

s.21(1)(a)

s.21(1)(b)

s.23

**BF in DMO: June 1, 2018**

[REDACTED]

\*\*\*\*\*

If you require an extension or clarification after consulting with your Group's program(s) and/or manager, please email [DMO.CBUnit@dfo-mpo.gc.ca](mailto:DMO.CBUnit@dfo-mpo.gc.ca)

\*\*\*\*\*

Thank you,

**Sandra Ryan**

Telephone | Téléphone (613) 991-0384

---

**From:** Butcher, Ashley  
**Sent:** May-25-18 3:41 PM  
**To:** XNCR-Grp, DMO Correspondence & Briefing Unit  
**Cc:** Trudeau, Miriam  
**Subject:** [REDACTED]

Hello: Please assign the following in GCCMS:

[REDACTED]

[REDACTED]

**Lead:** AE

**Input:** PAC

**BF in DMO:** Friday, June 1, 2018

**Instructions / Supplementary Information:** [REDACTED]  
[REDACTED]

Thanks,

s.21(1)(a)

s.21(1)(b)

s.23

Ashley Butcher

DMO

(613) 990-0020

No information has been removed or severed from this page



**Pages 399 to / à 402  
are withheld pursuant to section  
sont retenues en vertu de l'article**

**23**

**of the Access to Information Act  
de la Loi sur l'accès à l'information**

**Page 403**  
**is a duplicate of**  
**est un duplicata de la**  
**page 393**

## **Delaney, Paula**

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**From:** Webb, Allison  
**Sent:** May-30-18 5:12 PM  
**To:** Travia, David V AGRI:EX  
**Subject:** RE: Broughton Finfish Sites  
**Attachments:** Broughton Tenure Sites Provincial info May 30 2018.xlsx

Hi David – This is the information that I am able to provide for now in response to your request below. Of particular importance to note is that the fish health information doesn't have the year associated with it so it is not very useful in terms of understanding these events. Because they are listed does not mean that this has occurred each year so I think it can be easily misinterpreted. Due to workload pressures, I am loath to go back to the staff and ask them to refine this. I think that referring to our Report E which has detailed information by site and is posted from 2012-2016 would be more helpful.

I sent the list of links to you through the DAC so you will find it there as well as to other reports which could be germane to your discussions as much of the info is reported at the site level. If you don't find it, or what you need, please contact me and I'll resend those.

Thanks,  
Allison

Allison Webb, Director / Directrice  
Aquaculture Management / Gestion de l'aquaculture  
Fisheries Management Branch / Direction de la gestion des pêches  
Fisheries and Oceans Canada / Pêches et Océans Canada  
200 - 401 Burrard St / Rue Burrard, Vancouver BC / C.B. V6C 3S4 Canada  
604-666-7009  
[Allison.webb@dfo-mpo.gc.ca](mailto:Allison.webb@dfo-mpo.gc.ca)

---

**From:** Travia, David V AGRI:EX [<mailto:David.Travia@gov.bc.ca>]  
**Sent:** 2018-May-23 2:15 PM  
**To:** Webb, Allison  
**Subject:** RE: Broughton Finfish Sites

Hello Allison,

Wanted to check in with you on this. We have a meeting coming up on May 31 & June 1 and are hoping to have a better understanding of the operations for that date. As best I recall, you and I discussed:

- Current / predicted production status for each site. Is the site stocked, and when was the date of stocking?
- Relative productivity of individual sites (which sites are better for growth, production history, etc.)
- Compliance history by site

We'd also be interested knowing about the restocking schedule per site (hatchery to pen transfer schedule). Not sure if you have the ability to do this, I recall that you mentioned the I&T licence is only valid for 60 days once issued and you maintain a maximum 10 day turn around standard for processing these applications. Still, any information you have would be very helpful.

If possible, we'd also like to know the Maximum Allowable Biomass (MAB) per site and whether there's room for growth. Not sure if the latter part of that question is easily answered.

**David Travia, MPA** | Director, Intergovernmental Relations, Program Evaluation and BC Seafood Secretariat |  
Corporate Governance, Policy and Legislation Branch | Ministry of Agriculture | Ph: 250-356-7640

---

**From:** Travia, David V AGRI:EX  
**Sent:** Wednesday, May 9, 2018 9:46 AM  
**To:** 'Webb, Allison' ([Allison.Webb@dfo-mpo.gc.ca](mailto:Allison.Webb@dfo-mpo.gc.ca))  
**Subject:** Broughton Finfish Sites

Hi Allison,

Was good to speak with you yesterday. Please find attached a list of sites for the Broughton. Thanks once more for your assistance with this. If you require more information, please let me know.

Best regards,  
David

**David Travia, MPA** | Director, Intergovernmental Relations, Program Evaluation and BC Seafood Secretariat |  
Corporate Governance, Policy and Legislation Branch | Ministry of Agriculture | Ph: 250-356-7640

Best available copy

FILE #	CLIENT NAME	FUR LOCATION NAME	DFO LOCATION NAME	TERRITORY DATE	TOTAL AREA	COMMENCEMENT DATE	ACTIVE PRODUCTION	FALLOW/INACTIVE	RESEEDING DATE	PRODUCTION HISTORY	USERS/PLANT (BOMAS/THOUS)	FOR FURTHER COMPARISON OF NOTE Between 2012-2017 ***	BENTHIC THRESHOLD (MET YR)	NA LICE HISTORY
140329	CERMAQ CANADA LTD.	CLIFF BAY NORTH WISAMOT	CLIFF Bay Simon Sound West of Peninsula	Jun 20 2018	25.2	Jun 20 2013	NO	FALLOW	NO PLANS THRU SEPT 2018	Four production cycles with four been inactive since April 2015	300	Winter theory 1996	Surveys in 2011, 2015 and 2016: No exceedances; Very good	No outmigration threshold
140479	CERMAQ CANADA LTD.	SHELDON BAY BROUGHTON IS.	Sir Edmund Bay, NE Shore Broughton Inlet	Jun 20 2018	25.1	Jun 20 2013	YES	NO	NOT KNOWN	Four production cycles with four following periods: average 1.5 months	2640	Low level VHS detected	Surveys in 2011, 2015 and 2017: No exceedances; Good performance	Outmigration threshold in March 2015; SLICE treatments (3) in March 2015, March 2016 and February 2017
140581	CERMAQ CANADA LTD.	GREENWAY SOUND	Cecil Island, Greenway Sound	Jun 20 2018	59.5	Jun 20 2013	NO	FALLOW	NO PLANS THRU SEPT 2018	Four production cycles - average 1 month between the last two	600	Follow in this period	Surveys in 2012, 2014 and 2015: No exceedances; Very good performance	Brood facility: Outmigration threshold in May 2017; SLICE treatments (3) in May 2017, May 2018 and April 2019
140581	CERMAQ CANADA LTD.	CYPRESS HARBOR	Cypress Hts Harbor (N. Siding Channel)	Jun 20 2018	11,000	Jun 20 2013	BROOD SITE - ONGOING FISH ON SITE	NO	NOT KNOWN	Inactive from May 2011. March 2015, in production as broodstock site since then	300	Brood site: limited information	Surveys in 2011, 2015 and 2017: No exceedances	SLICE treatment (1) in February 2017
140739	CERMAQ CANADA LTD.	BROUGHTON ISLAND	Maula Island, SE Broughton Is.	Jun 20 2018	76.5	Jun 20 2013	YES	NO	NOT KNOWN	Four production cycles - average 21 months following between cycles	2640	None	Surveys in 2011, 2015 and 2017: No exceedances	Outmigration threshold in March 2015 and April 2015; SLICE treatments (2) in March 2015 and February 2017
140650	CERMAQ CANADA LTD.	BURBOWICK GROUP	Burrows Group, Raleigh Passage	Jun 20 2018	34.3	Jun 20 2013	YES	NO	NOT KNOWN	Four production cycles - average one month following period between cycles	3000	Low level Winter theory, 4 monthly events due to low oxygen reported	Surveys in 2011, 2014, 2015 and 2017: No exceedances; Very good performance	Outmigration threshold in April 2015
140730	CERMAQ CANADA LTD.	CUMPUEN POINT	Sheridan Bay, Wells Passage	Jun 20 2018	37.8	Jun 20 2013	NO	FALLOW	NO PLANS THRU SEPT 2018	Four production cycles - average 1 month between the last two	675	None	Surveys in 2011, 2014 and 2015: No exceedances; Very good performance	Outmigration threshold in November 2013, May 2015 and June 2017
140731	CERMAQ CANADA LTD.	WELLS PASSAGE	Melville Bay, Wells Passage	Jun 20 2018	35.4	Jun 20 2013	NO	INACTIVE	NO PLANS THRU SEPT 2018	Inactive. Last production cycle completed in May 2011	675	Follow in this period	No surveys in 2012-2017	No outmigration threshold exceedances and no treatments 2012-2017
140754	MARINE HARVEST CANADA INC.	GULF ISLAND	Port Elizabeth, Gulf Island	Jun 20 2018	24.9	Jun 20 2013	YES	NO	NOT KNOWN	One production cycle with four following periods ranging from 2 - 16 months	2860	Winter theory	Surveys in 2014, 2015, 2016 and 2017: No exceedances; Very good performance	Outmigration threshold in March 2015 and April 2015; SLICE treatments (2) in May 2015 and February 2016
140758	MARINE HARVEST CANADA INC.	SARGENT PASS	Sargeant Passage, Tribune Channel	Jun 20 2018	27.8	Jun 20 2013	YES	NO	NO PLANS THRU SEPT 2018	Four production cycles with three following periods ranging from 3 - 8 months	5258	Low level Furunculosis	Surveys in 2012, 2014 and 2016: No exceedances	No outmigration threshold
140759	MARINE HARVEST CANADA INC.	RETREAT PASSAGE	Upper Retreat Passage	Jun 20 2018	11	Jun 20 2013	NO	FALLOW	NO PLANS THRU SEPT 2018	Four production cycles up to April 2016 following periods ranging from 2 - 7 months	1840	Low level Winter theory	Surveys in 2012, 2014, 2015 and 2017: No exceedances; Very good performance	Outmigration threshold in September 2014 for last cycle
140800	MARINE HARVEST CANADA INC.	MIDSHORE ISLAND, SPRING PASSAGE	Midshore Island, Spring Passage	Jun 20 2018	44.4	Jun 20 2013	YES	NO	NOT KNOWN	Three production cycles beginning in June 2011 with three following periods ranging from 4 - 11 months	2500	None	Surveys in 2012, 2015 and 2016: No exceedances; Very good performance	Outmigration threshold in March 2015 and April 2015; SLICE treatments (2) in May 2015 and February 2016
140881	MARINE HARVEST CANADA INC.	SWANSON ISLAND	Swanson Island, North side	Jun 20 2018	24.8	Jun 20 2013	YES	NO	NOT KNOWN	Four production cycles with four following periods ranging from two to seven months	3254	None	Surveys in 2014 and 2015: No exceedances; Very good performance	No outmigration threshold
140881	MARINE HARVEST CANADA INC.	BURNACK ISLAND	Arrow Passage, Burnack Island	Jun 20 2018	13.8	Jun 20 2013	NO	INACTIVE	NO PLANS THRU SEPT 2018	One production cycle since Dec 2010 which was completed in June 2011	1800	Follow in this period	No surveys in 2012-2017	No outmigration threshold
140280	MARINE HARVEST CANADA INC.	TRILUNE CHANNEL	Glenelg, W. Water Cove, Tribune Channel	Jun 20 2018	21.5	Jun 20 2013	YES	NO	NO PLANS THRU SEPT 2018	Four production cycles with four following periods averaging 3 months in duration	2640	None	Surveys in 2015, 2016 and 2016: No exceedances; Very good performance	No outmigration threshold
140283	MARINE HARVEST CANADA INC.	FF'S SOUND	Widdow Point, Broughton Island	Jun 20 2018	34.8	Jun 20 2013	YES	NO	NOT KNOWN	Four production cycles with three following periods ranging from 2 - 7 months	5900	None	Surveys in 2012, 2013, 2016 and 2017: No exceedances	No outmigration threshold
140560	MARINE HARVEST CANADA INC.	INDIAN CHANNEL	Larson Island, Indian Channel	Jun 20 2018	24.3	Jun 20 2013	YES	NO	NO PLANS THRU SEPT 2018	Two to four month production cycles between 2012 and mid 2015, and one four month production cycle in early 2016	1800	None	Surveys in 2013 and 2014: Significant exceedances at 10m in March 2014	No outmigration threshold
140758	MARINE HARVEST CANADA INC.	KNIGHT INLET	Forster Inlet, Knight Inlet	Jun 20 2018	41.6	Jun 20 2013	YES	NO	NOT KNOWN	Five production cycles with four following periods averaging 3 months in duration	5900	Low level BCD and Winter theory	Surveys in 2012, 2014 and 2016: No exceedances; Very good performance	No outmigration threshold
140907	MARINE HARVEST CANADA INC.	HUMPHREY ROCK, TRIBUNE CHANNEL	Humphrey Rock, Tribune Channel	Jun 20 2018	33.9	Jun 20 2013	YES	NO	NOT KNOWN	Four production cycles with three following periods ranging from 3 - 8 months	1650	Low level Furunculosis	Surveys in 2011, 2014 and 2016: No exceedances	No outmigration threshold
140955	MARINE HARVEST CANADA INC.	MIDSHORE ISLAND	Potts Bay, Midshore Island	Apr 01 2005	4.34	Apr 01 2005	NO	FALLOW	NO PLANS THRU SEPT 2018	Broodstock site. Operated continuously from Dec 2010 to Jan 2018. Presently in fallow.		Brood facility: Outmigration threshold in April 2015; SLICE treatments (3) in April 2015, February 2016, February 2017 and February 2018	Surveys in 2012, 2014 and 2016: No exceedances; Very good performance	Outmigration threshold in April 2015; SLICE treatments (3) in April 2015, February 2016, February 2017 and February 2018

\*allow means production has occurred within the past two years; inactive means there has been no production within the past two years  
 \*\* Based on typical production cycle length of 18 - 20 months  
 \*\*\* There are findings from DFO fish health audits and fishery submitted fish health events, they are based on recurring detection of pathogens, farm level diagnosis of fish health events.

## Burgetz, Ingrid

---

**From:** Parsons, Jay  
**Sent:** May-31-18 4:08 PM  
**To:** Burgetz, Ingrid  
**Subject:** [REDACTED]

fyi

---

**From:** Medeiros, Dean  
**Sent:** Monday, May 28, 2018 3:52 PM  
**To:** Ikejiani, Alexander (DOJ); Parsons, Jay; Webb, Allison; Lavigne, Lauren  
**Cc:** Haesevoets, Roderick; Campbell, John P.  
**Subject:** [REDACTED]

Hello Alex, Jay, and Allison,

[REDACTED]

[REDACTED]

[REDACTED]

Thank you all for your valuable time and assistance!

Cheers,  
Dean

s.21(1)(a)  
s.21(1)(b)  
s.23

---

**From:** Campbell, John P.  
**Sent:** May 28, 2018 1:07 PM  
**To:** Ikejiani, Alexander (DOJ); Parsons, Jay; Webb, Allison; Lavigne, Lauren  
**Cc:** Medeiros, Dean; Moore, Wayne; LaRue, Jean-François; Haesevoets, Roderick  
**Subject:** [REDACTED]

Hi folks [REDACTED]

[REDACTED]

[REDACTED]

Thx

[REDACTED]

**From:** Campbell, John P.  
**Sent:** May 28, 2018 10:57 AM  
**To:** LaRue, Jean-François  
**Cc:** Paquette, Michael; Medeiros, Dean  
**Subject:** [REDACTED]

Ok

[REDACTED]

**From:** LaRue, Jean-François  
**Sent:** Monday, May 28, 2018 10:30 AM  
**To:** Campbell, John P. <[John.Campbell@dfo-mpo.gc.ca](mailto:John.Campbell@dfo-mpo.gc.ca)>  
**Cc:** Paquette, Michael <[Michael.Paquette@dfo-mpo.gc.ca](mailto:Michael.Paquette@dfo-mpo.gc.ca)>  
**Subject:** [REDACTED]

[REDACTED]

**From:** Ryan, Sandra-Lee  
**Sent:** May-25-18 1:02 PM  
**To:** Church, Ashley; Kaba, Kyle; Johal, Sharan; Daspe, Caroline; Genier, Sylvie; Iacovitti, Michelle; Richter, Julie; Villeneuve, Anne-Marie  
**Cc:** XNCR-Grp, DMO Correspondence & Briefing Unit; Trudeau, Miriam  
**Subject:** [REDACTED]

Good afternoon,

s.21(1)(a)

s.21(1)(b)

s.23

[REDACTED]

Lead: AE

Input: PAC

[REDACTED]

BF in DMO: June 1, 2018

[REDACTED]

\*\*\*\*\*

If you require an extension or clarification after consulting with your Group's program(s) and/or manager, please  
email [DMO.CBUnit@dfo-mpo.gc.ca](mailto:DMO.CBUnit@dfo-mpo.gc.ca)

\*\*\*\*\*

Thank you,

s.21(1)(a)

s.21(1)(b)

s.23

Sandra Ryan

Telephone | Téléphone (613) 991-0384

**From:** Butcher, Ashley  
**Sent:** May-25-18 3:41 PM  
**To:** XNCR-Grp, DMO Correspondence & Briefing Unit  
**Cc:** Trudeau, Miriam  
**Subject:** [REDACTED]



Hello: Please assign the following in GCCMS:

[REDACTED]

[REDACTED]

**Lead:** AE

**Input:** PAC

**BF in DMO:** Friday, June 1, 2018

**Instructions / Supplementary Information:**

[REDACTED]

Thanks,

Ashley Butcher

DMO

(613) 990-0020

s.21(1)(a)

s.21(1)(b)

s.23

**Pages 411 to / à 414  
are withheld pursuant to section  
sont retenues en vertu de l'article**

**23**

**of the Access to Information Act  
de la Loi sur l'accès à l'information**

## Lim, Susan

---

**From:** Lim, Susan  
**Sent:** June-08-18 2:53 PM  
**To:** Backe, Nicole; Taekema, Bernie John; Kosmider, Gabrielle; 'John Mackie'; 'Lesley Fettes';  
'Jim Johnson'; 'Diane Tetarenko'  
**Subject:** Agenda - PRT Conference Call - Tues. June 12, 2018 - 10 am  
**Attachments:** Jun 12 2018 - PRT Updated Review.docx

Hello everyone,

See attached agenda for the PRT conference call scheduled for Tuesday, June 12<sup>th</sup> at 10 am.

Let me know if you would like to add anything to the agenda or if you are not able to attend.

Thank you,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

**PRT File Review  
12 June 2018  
10:00 am**

Call in number: 1-877-413-4781 Code [REDACTED]

Proposed Attendees: Diane Tetarenko, Jim Johnson, Lesley Fettes, John Mackie, Gabrielle Kosmider, Bernie Taekema, Nicole Backe  
Secretariat: Susan Lim

**PRT File Review**

Company	ATS / Lands No	Site Ref / TC NPP NO	Application Status	Notes
UHA – Stag Bay	249558	8333	DFO – Accept FLNRO – [REDACTED] TC – [REDACTED] – req more info eg. tenure plans for the bay	Geoduck – Application will need to be split into 2 landfile numbers if we proceed
UHA – WS Hernando Isl	249557	8373	DFO – Accept FLNRO – [REDACTED] TC – JM – Accept	Geoduck
UHA – NW Hernando Isl	249635	8355	DFO – Accept FLNRO – [REDACTED] TC – JM – Accept	Geoduck
Klahoose Shellfish Inc. -Baker Passage, N. Hernando Isl	261811	9249	DFO - req additional info FLNRO – [REDACTED] TC – Accept	Geoduck, DFO Pre-screening FLNRO – Hold – Overlap (Stagg Bay application) DFO requires top view ops diagram
Marine Harvest Canada -Koskimo Bay	1401722	144	DFO - Accept FLNRO – [REDACTED] TC – Accept	Amend lease boundary and infrastructure Marco is waiting for more info from applicant.
Marine Harvest Canada -Shelter Passage	268964 1404091	831	DFO - Accept FLNRO – [REDACTED] TC – Accept	Replacement of cage array plan from 70m to 80m. -Marco is reviewing and will provide update soon.
Barkley Sound Shellfish LP -Macaoh Passage - A	268796	9350	DFO - FLNRO – [REDACTED] TC – Do Not Accept-req info	10 Ha, Geoduck – DFO Pre-screening completed. Apr 27 - Secretariat emailed PRT the updated application from applicant. May 3-TC would like additional info. May 15 -DFO to review and discuss at next PRT meeting.
Barkley Sound Shellfish LP -Macaoh Passage - B	268800	9351	DFO - req additional info FLNRO – accept if they change tenure type to licence to occupy TC – [REDACTED]	6.3 Ha -Geoduck – DFO Pre-screening - see above comment. Will need to confirm whether this application will be withdrawn.
Marine Harvest Canada -Mahatta West	269488/ 1406961	1238	DFO – Accept/will not be assessing FLNRO – [REDACTED] TC – Accept	Increase tenure boundary for anchoring. No change in production or infrastructure. TC rec'd additional map. Marco will be confirming if this is IAU
Marine Harvest Canada -Mahatta East	269810/ 1403748	1338	DFO - Accept/will not be assessing FLNRO – [REDACTED] TC – Accept	Increase tenure boundary for anchoring. No change in production or infrastructure. TC rec'd additional map. Marco will be confirming if this is IAU.
DIA Technologies -Agamemnon Channel Farm	2401887	102	DFO – FLNRO – [REDACTED] TC – [REDACTED]	Defining new target species among approved list and redefining the farming system. (IAU)
Marine Harvest Canada -Monday Rock	ATS 271399/ 1406960	1237	DFO – Accept FLNRO – [REDACTED] TC – Accept	Amend lease boundary and infrastructure.

s.16(2)(c)

s.21(1)(b)

1

Accepted but waiting Official Referral - FLNRO working on statusing and engagement letter				
	260534 / 1413764	9171	DFO - Accept FLNRO - Accept TC - Accept	Geoduck, Baynes Sound PRT accepted Dec. 19, 2017 Waiting for Eng Letters to be written.
Abrupt Shellfish Inc.	262592 / 1414783	9289	DFO - Accept FLNRO - Accept TC - Accept	Geoduck, Preedy Harbour west PRT accepted - Dec. 19, 2017 Waiting for Eng Letters to be written.
Penelakut Seafoods -Booth Bay	253164 / 1414788	9149	DFO - Accept FLNRO - Accept TC - Accept	Manila Clam, Pacific Oyster, Littleneck Clam PRT accepted - Jan. 9, 2018 Waiting for Eng Letters to be written.
Grieg Seafood BC Ltd -Ahlstrom	266673/ 2408042	1698	DFO - Accept FLNRO - Accept TC - Accept	Tenure expansion, addition of infrastructure and production -relocate Kunechin to Ahlstrom PRT accepted - April 19, 2018 Statusing, waiting for Eng/Referrals to be sent
Maplestar Seafood Ltd -Nanose Bay	254483	6712	DFOARM - Accept DFO AEO - accept FLNRO - Accept TC - Accept	Geoduck PRT accepted - April 30, 2018 Waiting for Statusing
Northeast Shellfish -Northeast Bay	266998	9349	DFO - Accept FLNRO - Accept TC - Accept	13 species includes geoduck - DFO Pre-screening completed -PRT accepted - May 28, 2018
Grieg Seafood BC Ltd. -Noo-la	1411154	1825	DFO - Accept FLNRO - Accept TC - Accept	(Bennett Point), IAU Change cage array configuration PRT accepted - April 24, 2018
MHC -Glacier Falls	1405180	821	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. PRT accepted - Mar 7, 2018
MHC -Humphrey Rock	1409707	1618	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. PRT accepted Mar 7, 2018
MHC -Sargeant's Passage	1403328	1059	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. PRT accepted Mar 7, 2018
Cermaq Cda -Cypress Harbour	1405381	458	DFO - Accept FLNRO - Accept TC - Accept	IAU, change in ancillary structures PRT accepted Mar. 7, 2018
Cermaq Cda -Wehlis Bay	1407731	1335	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	IAU, change in cage array configuration PRT accepted Mar. 7, 2018
Cermaq -Simmonds Point	1407730	1336	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	IAU, change in cage array configuration PRT accepted Mar. 7, 2018

Decision Pending / AIP	Type	Facility	Facility No	Landfile No	Status
Emerald Sea Farms Ltd	SF NEW	S. Nelson Island, West of Malaspina	6815	1414149	AIP
Tla'amin Nation	SF NEW	SE Harwood Island	6710	1413796	AIP (Pre-Seed harvest)

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### Topics to Discuss

Emerald Sea Farms application from June 2013 for a new shellfish licence 4.0 hectare at southern end of Nelson Island, West of Malaspina Inlet. Applicant requested to culture 40 MT of geoduck clam using subtidal culture methodology. – DFO ready to issue. FLNRO to advise when ready to issue.

When applications are still at PRT, we should combine all our requests to client into one request and PRT Secretariat will send out to client. This will prevent confusion on who is being sent what.

Reminder: If you are in contact with applicant and receive additional information post-PRT, please share this information.

Metlakatla Development Corporation Applications – Morse Basin #1 & #2 (Seed only), Tuck Inlet #1, #2, #3 (Appendix 13)

- Nov. 30, 2017 - FCBC sent letter to Metlakatla including options for Tuck Inlet applications.
- May 3, 2018 – Melinda contacted applicants for Morse Basin #1 & #2. They will be submitting new site applications to FCBC.

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### **DFO - Clock Paused – On Hold and Approved in Principle**

ATS156286/1261 1407063 - Odyssey Seafood - Harmonization and coordination of decision-making  
ATS 150100/535 0278745 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150101/1533 0278772 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150485/531 0278755 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150097/521 0278767 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150099/519 0278753 - [REDACTED] (Mac's) - Harmonization and coordination of decision-making  
ATS 155429/7614 1414372 - [REDACTED] - Harmonization and coordination of decision-making  
ATS 155430/7693 2409221 - [REDACTED] site 2 - Harmonization and coordination of decision-making

DFO AIP 6815 1414149 Emerald Sea Farms Ltd. – Harmonization and coordination of decision-making  
DFO AIP 6710 1413796 Tla'amin Nation – Pre-seed harvesting

New Issue – Unlicensed facilities – DFO to review applications 1<sup>st</sup> – would like to renew as they would have originally been licensed for, and then accept an amendment application. This would have to be looked at 1<sup>st</sup> on a case by case basis.

s.19(1)

**Maley, Shelley**

---

**From:** Backe, Nicole  
**Sent:** June-12-18 1:05 PM  
**To:** Johansson, Todd  
**Subject:** [REDACTED]

**Attachments:** [REDACTED]

[REDACTED]

[REDACTED]

Let me know if there is anything else I can do for this request.

Thanks,

**Nicole Backe**

Aquaculture Management Coordinator, Fisheries Management Branch – Pacific Region  
Fisheries and Oceans Canada | Government of Canada  
[Nicole.Backe@dfo-mpo.gc.ca](mailto:Nicole.Backe@dfo-mpo.gc.ca) | Tel: 250-754-0399, Fax: 250-754-0391

Coordinatrice - Gestion de l'aquaculture, Direction de la gestion des pêches – Région Pacifique  
Pêches et Océans Canada | Gouvernement du Canada  
[Nicole.Backe@dfo-mpo.gc.ca](mailto:Nicole.Backe@dfo-mpo.gc.ca) | Tél : 250-754-0399, Télécopieur 250-754-0391

---

**From:** Johansson, Todd  
**Sent:** June-12-18 8:12 AM  
**To:** Backe, Nicole  
**Subject:** [REDACTED]

Nicole: [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Thanks:

s.21(1)(a)

s.21(1)(b)

s.23

Todd Johansson  
Aquaculture Management  
8585 Wollason Street  
Port Hardy BC V0N 2P0  
(w) 250-902-2683  
(c) [REDACTED]  
(f) 250-949-6755

---

**From:** Townsend, Jill  
**Sent:** Monday, June 11, 2018 4:02 PM  
**To:** Johansson, Todd; Vaillancourt, Lynne (DOJ)  
**Cc:** Russow, Theona; Lavigne, Lauren  
**Subject:** [REDACTED]

Todd,

[REDACTED]

Thanks,

Jill

**Jill Townsend**

Litigation Case Manager, Litigation Unit, Fisheries & Oceans Canada | Pêches et Océans Canada, Pacific Regional Office | Région du Pacifique, 200-401 Burrard Street | 401 rue Burrard, Pièce 200, Vancouver, BC V6C 3S4, [Jill.Townsend@dfo-mpo.gc.ca](mailto:Jill.Townsend@dfo-mpo.gc.ca) Telephone | Téléphone (604) 658-2843, Cell | [REDACTED] Government of Canada | Gouvernement du Canada

**\*\*SOLICITOR CLIENT PRIVILEGE NOTICE (EMAIL AT THE REQUEST OF COUNSEL):** This email has been prepared at the request of counsel and the contents of this email are subject to solicitor client privilege. Any use, disclosure or copying of the information is strictly prohibited. \*\*

---

**From:** Townsend, Jill  
**Sent:** June-11-18 3:24 PM  
**To:** Johansson, Todd; Vaillancourt, Lynne (DOJ)  
**Cc:** Russow, Theona; Lavigne, Lauren  
**Subject:** [REDACTED]

Hi Todd and Lynne, and Lauren,

[REDACTED]

Jill

s.16(2)(c)  
s.21(1)(a)  
s.21(1)(b)  
s.23

**Jill Townsend**

Litigation Case Manager, Litigation Unit, Fisheries & Oceans Canada | Pêches et Océans Canada, Pacific Regional Office | Région du Pacifique, 200-401 Burrard Street | 401 rue Burrard, Pièce 200, Vancouver, BC V6C 3S4, [Jill.Townsend@dfo-mpo.gc.ca](mailto:Jill.Townsend@dfo-mpo.gc.ca) Telephone | Téléphone (604) 658-2843, Cell | [REDACTED] Government of Canada | Gouvernement du Canada



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**From:** Johansson, Todd  
**Sent:** June-11-18 1:18 PM  
**To:** Vaillancourt, Lynne (DOJ)  
**Cc:** Townsend, Jill; Russow, Theona; Lavigne, Lauren  
**Subject:** [REDACTED]

Give me a shout any time. I'm in all week.

Thanks:

Todd Johansson  
Aquaculture Management  
8585 Wollason Street  
Port Hardy BC V0N 2P0  
(w) 250-902-2683  
(c) [REDACTED]  
(f) 250-949-6755

**From:** Vaillancourt, Lynne [mailto:Lynne.Vaillancourt@justice.gc.ca]  
**Sent:** Monday, June 11, 2018 12:50 PM  
**To:** Johansson, Todd  
**Cc:** Townsend, Jill; Russow, Theona; Lavigne, Lauren  
**Subject:** [REDACTED]

Hi Todd,

[REDACTED]

Thanks.

Lynne

Protected Solicitor-Client Privilege

Lynne Vaillancourt  
DFO Legal Services  
(613)993-3628

s.16(2)(c)  
s.21(1)(a)  
s.21(1)(b)  
s.23

New [Lynne.Vaillancourt@justice.gc.ca](mailto:Lynne.Vaillancourt@justice.gc.ca)

**From:** Lavigne, Lauren [mailto:Lauren.Lavigne@dfo-mpo.gc.ca]  
**Sent:** Monday, June 11, 2018 3:42 PM  
**To:** Vaillancourt, Lynne <Lynne.Vaillancourt@justice.gc.ca>

Cc: Russow, Theona <Theona.Russow@dfo-mpo.gc.ca>; Russow, Theona <Theona.Russow@dfo-mpo.gc.ca>

Subject: [REDACTED]

Hi Lynne,

You can call my cell phone at [REDACTED]

[REDACTED]

L

Sent from my BlackBerry 10 smartphone on the Rogers network.

**From:** Vaillancourt, Lynne

**Sent:** Monday, June 11, 2018 12:36 PM

**To:** Lavigne, Lauren

**Cc:** Russow, Theona; Russow, Theona

**Subject:** [REDACTED]

Hi Lauren,

[REDACTED]

[REDACTED] Thanks so much.

Lynne

Protected Solicitor-Client Privilege

Lynne Vaillancourt

DFO Legal Services

(613)993-3628

New [Lynne.Vaillancourt@justice.gc.ca](mailto:Lynne.Vaillancourt@justice.gc.ca)

s.16(2)(c)

s.21(1)(a)

s.21(1)(b)

s.23

**From:** Russow, Theona [<mailto:Theona.Russow@dfo-mpo.gc.ca>]

**Sent:** Friday, June 08, 2018 11:28 AM

**To:** Vaillancourt, Lynne <[Lynne.Vaillancourt@justice.gc.ca](mailto:Lynne.Vaillancourt@justice.gc.ca)>; Townsend, Jill <[Jill.Townsend@dfo-mpo.gc.ca](mailto:Jill.Townsend@dfo-mpo.gc.ca)>

**Cc:** Lavigne, Lauren <[Lauren.Lavigne@dfo-mpo.gc.ca](mailto:Lauren.Lavigne@dfo-mpo.gc.ca)>

**Subject:** [REDACTED]

Hi Lynne,

[REDACTED]

Thanks,  
Theona

Theona Russow | Litigation Program Manager | Fisheries & Oceans Canada | Pêches et Océans Canada | Pacific Regional Office |  
Région du Pacifique | 200- 401 Burrard Street | 401 rue Burrard, Pièce 200 | Vancouver, BC V6C 3S4 | [Theona.Russow@dfo-mpo.gc.ca](mailto:Theona.Russow@dfo-mpo.gc.ca) | Telephone | Téléphone (604) 666-0776 | Cell [REDACTED] | Government of Canada | Gouvernement du Canada

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**From:** Vaillancourt, Lynne [<mailto:Lynne.Vaillancourt@justice.gc.ca>]  
**Sent:** June-08-18 8:24 AM  
**To:** Townsend, Jill  
**Cc:** Lavigne, Lauren; Russow, Theona  
**Subject:** [REDACTED]

Hi Jill,

[REDACTED] Thanks.

Lynne

**From:** Russow, Theona [<mailto:Theona.Russow@dfo-mpo.gc.ca>]  
**Sent:** Thursday, June 07, 2018 4:26 PM  
**To:** Vaillancourt, Lynne <[Lynne.Vaillancourt@justice.gc.ca](mailto:Lynne.Vaillancourt@justice.gc.ca)>; Townsend, Jill <[Jill.Townsend@dfo-mpo.gc.ca](mailto:Jill.Townsend@dfo-mpo.gc.ca)>  
**Cc:** Lavigne, Lauren <[Lauren.Lavigne@dfo-mpo.gc.ca](mailto:Lauren.Lavigne@dfo-mpo.gc.ca)>  
**Subject:** [REDACTED]

Hi Lynne,

Jill has been assigned to this file but is out of the office for the remainder of the day. She will contact you when she returns to the office tomorrow.

Thanks,  
Theona

Theona Russow | Litigation Program Manager | Fisheries & Oceans Canada | Pêches et Océans Canada | Pacific Regional Office |  
Région du Pacifique | 200- 401 Burrard Street | 401 rue Burrard, Pièce 200 | Vancouver, BC V6C 3S4 | [Theona.Russow@dfo-mpo.gc.ca](mailto:Theona.Russow@dfo-mpo.gc.ca) | Telephone | Téléphone (604) 666-0776 | Cell [REDACTED] | Government of Canada | Gouvernement du Canada

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s.16(2)(c)

s.21(1)(a)

s.21(1)(b)

s.23

**From:** Vaillancourt, Lynne [<mailto:Lynne.Vaillancourt@justice.gc.ca>]  
**Sent:** June-07-18 12:33 PM  
**To:** Townsend, Jill; Russow, Theona  
**Cc:** Lavigne, Lauren  
**Subject:** [REDACTED]

Jill and Theona,

[REDACTED] Thanks.

Lynne

Protected Solicitor-Client Privilege

Lynne Vaillancourt  
DFO Legal Services  
(613)993-3628

New [Lynne.Vaillancourt@justice.gc.ca](mailto:Lynne.Vaillancourt@justice.gc.ca)

**From:** House, Matthew

**Sent:** Wednesday, June 06, 2018 1:52 PM

**To:** 'Townsend, Jill' <[Jill.Townsend@dfo-mpo.gc.ca](mailto:Jill.Townsend@dfo-mpo.gc.ca)>; Lavigne, Lauren <[Lauren.Lavigne@dfo-mpo.gc.ca](mailto:Lauren.Lavigne@dfo-mpo.gc.ca)>; Postman, Steven <[steven.postman@justice.gc.ca](mailto:steven.postman@justice.gc.ca)>; Nevens, Lisa <[Lisa.Nevens@justice.gc.ca](mailto:Lisa.Nevens@justice.gc.ca)>; Webb, Allison <[Allison.Webb@dfo-mpo.gc.ca](mailto:Allison.Webb@dfo-mpo.gc.ca)>; Thomson, Andrew <[Andrew.Thomson@dfo-mpo.gc.ca](mailto:Andrew.Thomson@dfo-mpo.gc.ca)>

**Cc:** Russow, Theona <[Theona.Russow@dfo-mpo.gc.ca](mailto:Theona.Russow@dfo-mpo.gc.ca)>; Vaillancourt, Lynne <[Lynne.Vaillancourt@justice.gc.ca](mailto:Lynne.Vaillancourt@justice.gc.ca)>

**Subject:** [REDACTED]

[REDACTED]

Matt

**From:** Townsend, Jill [<mailto:Jill.Townsend@dfo-mpo.gc.ca>]

**Sent:** Wednesday, June 06, 2018 12:43 PM

**To:** Lavigne, Lauren <[Lauren.Lavigne@dfo-mpo.gc.ca](mailto:Lauren.Lavigne@dfo-mpo.gc.ca)>; Postman, Steven <[steven.postman@justice.gc.ca](mailto:steven.postman@justice.gc.ca)>; Nevens, Lisa <[Lisa.Nevens@justice.gc.ca](mailto:Lisa.Nevens@justice.gc.ca)>; Webb, Allison <[Allison.Webb@dfo-mpo.gc.ca](mailto:Allison.Webb@dfo-mpo.gc.ca)>; Thomson, Andrew <[Andrew.Thomson@dfo-mpo.gc.ca](mailto:Andrew.Thomson@dfo-mpo.gc.ca)>; House, Matthew <[Matthew.House@justice.gc.ca](mailto:Matthew.House@justice.gc.ca)>

**Cc:** Russow, Theona <[Theona.Russow@dfo-mpo.gc.ca](mailto:Theona.Russow@dfo-mpo.gc.ca)>

**Subject:** [REDACTED]

[REDACTED]

Matt - [REDACTED]

Jill

**From:** Lavigne, Lauren

**Sent:** June-06-18 9:32 AM

**To:** Townsend, Jill; 'Postman, Steven' (<[steven.postman@justice.gc.ca](mailto:steven.postman@justice.gc.ca)>); Nevens, Lisa; Webb, Allison; Thomson, Andrew; House, Matthew (DOJ)

**Subject:** [REDACTED]

Thanks Jill -

[REDACTED]

L

s.21(1)(a)  
s.21(1)(b)  
s.23

**From:** Townsend, Jill  
**Sent:** June-05-18 5:00 PM  
**To:** 'Postman, Steven ([steven.postman@justice.gc.ca](mailto:steven.postman@justice.gc.ca))'; Nevens, Lisa; Lavigne, Lauren; Webb, Allison; Thomson, Andrew; House, Matthew (DOJ)  
**Subject:** [REDACTED]

FYI

---

**From:** Johal, Sharan **On Behalf Of** Reid, Rebecca  
**Sent:** June-05-18 2:23 PM  
**To:** Russow, Theona  
**Subject:** [REDACTED]

FYI

s.23

**Cara Fogliato for Sharan Johal**

Executive Assistant to the Regional Director General/ Assistant Exécutif au Directrice Général Régional  
Tel: 604-666-1376/Fax: 604-666-8956



**Pages 426 to / à 427  
are withheld pursuant to section  
sont retenues en vertu de l'article**

**23**

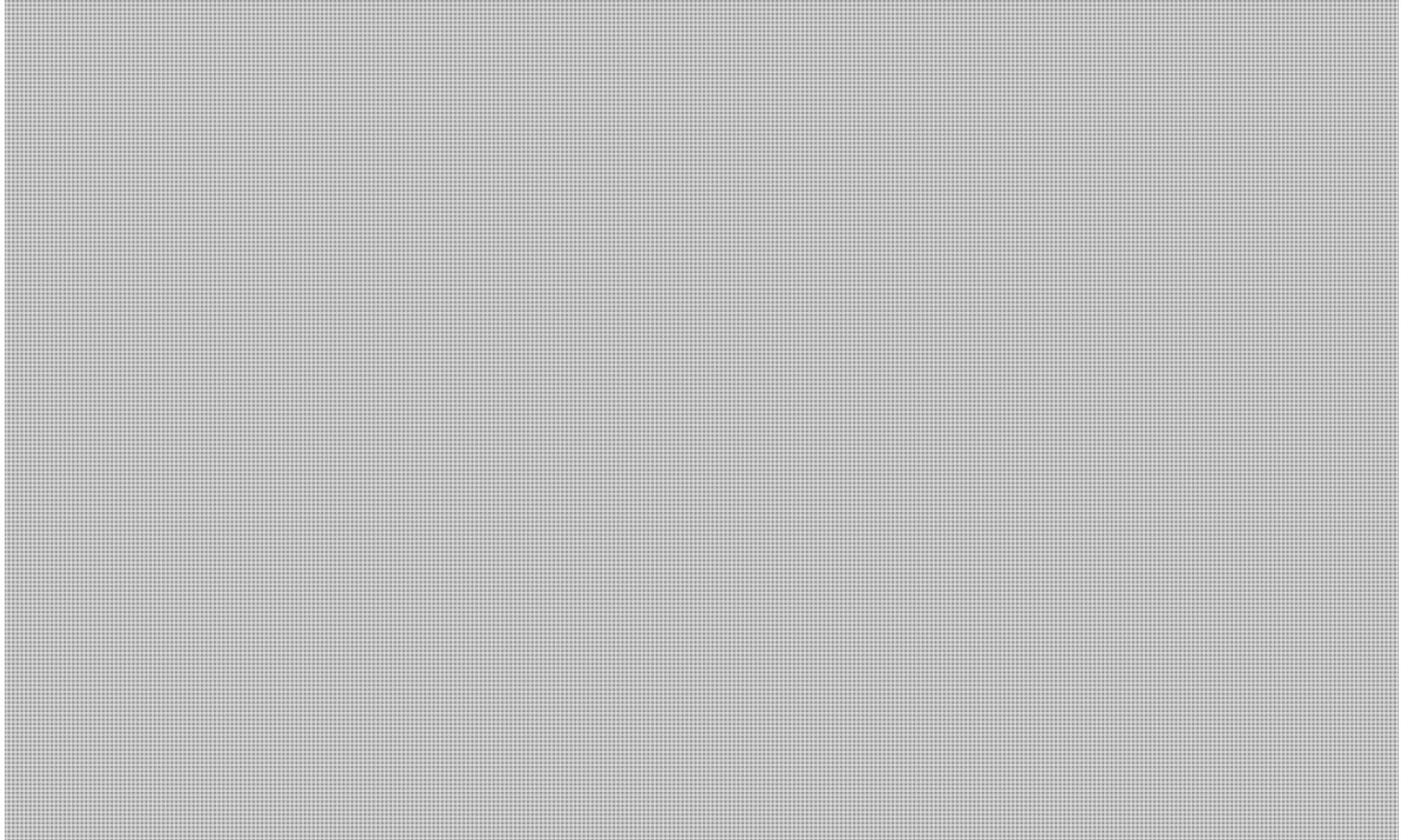
**of the Access to Information Act  
de la Loi sur l'accès à l'information**

**Maley, Shelley**

---

**From:** Backe, Nicole  
**Sent:** June-18-18 9:16 AM  
**To:** Townsend, Jill  
**Cc:** Johansson, Todd  
**Subject:** [REDACTED]

As requested:



[REDACTED] Please let me know if there is anything else.

Thanks.

**Nicole Backe**

Aquaculture Management Coordinator, Fisheries Management Branch – Pacific Region  
Fisheries and Oceans Canada | Government of Canada  
[Nicole.Backe@dfo-mpo.gc.ca](mailto:Nicole.Backe@dfo-mpo.gc.ca) | Tel: 250-754-0399, Fax: 250-754-0391

Coordinatrice - Gestion de l'aquaculture, Direction de la gestion des pêches – Région Pacifique  
Pêches et Océans Canada | Gouvernement du Canada  
[Nicole.Backe@dfo-mpo.gc.ca](mailto:Nicole.Backe@dfo-mpo.gc.ca) | Tél : 250-754-0399, Télécopieur 250-754-0391

**s.21(1)(a)**

**s.21(1)(b)**

**s.23**

**From:** Johansson, Todd  
**Sent:** June-15-18 10:46 AM  
**To:** Backe, Nicole  
**Subject:** [REDACTED]

Thanks:

Todd Johansson  
Aquaculture Management  
8585 Wollason Street  
Port Hardy BC V0N 2P0  
(w) 250-902-2683  
(c) [REDACTED]  
(f) 250-949-6755

---

**From:** Townsend, Jill  
**Sent:** Friday, June 15, 2018 10:33 AM  
**To:** Vaillancourt, Lynne (DOJ); Patirana, Anoma; McCorquodale, Brenda  
**Cc:** Johansson, Todd  
**Subject:** [REDACTED]

Hi Todd,

Jill

**Jill Townsend**

Litigation Case Manager, Litigation Unit, Fisheries & Oceans Canada | Pêches et Océans Canada, Pacific Regional Office | Région du Pacifique, 200-401 Burrard Street | 401 rue Burrard, Pièce 200, Vancouver, BC V6C 3S4, [Jill.Townsend@dfo-mpo.gc.ca](mailto:Jill.Townsend@dfo-mpo.gc.ca) Telephone | Téléphone (604) 658-2843, Cell | [REDACTED] Government of Canada | Gouvernement du Canada

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---

**From:** Townsend, Jill  
**Sent:** June-13-18 11:05 AM  
**To:** Vaillancourt, Lynne (DOJ) ([lynne.vaillancourt@justice.gc.ca](mailto:lynne.vaillancourt@justice.gc.ca)); Patirana, Anoma; McCorquodale, Brenda  
**Cc:** Johansson, Todd  
**Subject:** [REDACTED]

s.16(2)(c)

s.21(1)(a)

s.21(1)(b)

s.23



Jill

**Jill Townsend**

Litigation Case Manager, Litigation Unit, Fisheries & Oceans Canada | Pêches et Océans Canada, Pacific Regional Office | Région du Pacifique, 200-401 Burrard Street | 401 rue Burrard, Pièce 200, Vancouver, BC V6C 3S4, [Jill.Townsend@dfo-mpo.gc.ca](mailto:Jill.Townsend@dfo-mpo.gc.ca) Telephone | Téléphone (604) 658-2843, Cell | ( ) Government of Canada | Gouvernement du Canada

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---

**From:** Johansson, Todd  
**Sent:** June-12-18 3:45 PM  
**To:** Townsend, Jill  
**Subject:** ( )

Thanks:

Todd Johansson  
Aquaculture Management  
8585 Wollason Street  
Port Hardy BC V0N 2P0  
(w) 250-902-2683  
(c) ( )  
(f) 250-949-6755

---

**From:** Backe, Nicole  
**Sent:** Tuesday, June 12, 2018 3:43 PM  
**To:** Johansson, Todd  
**Subject:** ( )

s.16(2)(c)  
s.21(1)(a)  
s.21(1)(b)  
s.23

**Nicole Backe**

Aquaculture Management Coordinator, Fisheries Management Branch – Pacific Region  
Fisheries and Oceans Canada | Government of Canada  
[Nicole.Backe@dfo-mpo.gc.ca](mailto:Nicole.Backe@dfo-mpo.gc.ca) | Tel: 250-754-0399, Fax: 250-754-0391

Coordinatrice - Gestion de l'aquaculture, Direction de la gestion des pêches – Région Pacifique  
Pêches et Océans Canada | Gouvernement du Canada  
[Nicole.Backe@dfo-mpo.gc.ca](mailto:Nicole.Backe@dfo-mpo.gc.ca) | Tél : 250-754-0399, Télécopieur 250-754-0391

---

**From:** Johansson, Todd  
**Sent:** June-12-18 1:33 PM  
**To:** Backe, Nicole  
**Subject:** [REDACTED]

[REDACTED]

Thanks:

Todd Johansson  
Aquaculture Management  
8585 Wollason Street  
Port Hardy BC V0N 2P0  
(w) 250-902-2683  
(c) [REDACTED]  
(f) 250-949-6755

---

**From:** Townsend, Jill  
**Sent:** Tuesday, June 12, 2018 1:28 PM  
**To:** Johansson, Todd  
**Cc:** Vaillancourt, Lynne (DOJ)  
**Subject:** [REDACTED]

Todd,

[REDACTED]

Jill

---

**From:** Johansson, Todd  
**Sent:** June-12-18 1:13 PM  
**To:** Townsend, Jill  
**Subject:** [REDACTED]

[REDACTED] Thanks to Nicole.

Thanks:

Todd Johansson  
Aquaculture Management  
8585 Wollason Street  
Port Hardy BC V0N 2P0  
(w) 250-902-2683  
(c) [REDACTED]  
(f) 250-949-6755

s.16(2)(c)  
s.21(1)(a)  
s.21(1)(b)  
s.23

**From:** Backe, Nicole  
**Sent:** Tuesday, June 12, 2018 1:05 PM  
**To:** Johansson, Todd  
**Subject:** [REDACTED]

Let me know if there is anything else I can do for this request.

Thanks,

***Nicole Backe***

Aquaculture Management Coordinator, Fisheries Management Branch – Pacific Region  
Fisheries and Oceans Canada | Government of Canada  
[Nicole.Backe@dfo-mpo.gc.ca](mailto:Nicole.Backe@dfo-mpo.gc.ca) | Tel: 250-754-0399, Fax: 250-754-0391

Coordinatrice - Gestion de l'aquaculture, Direction de la gestion des pêches – Région Pacifique  
Pêches et Océans Canada | Gouvernement du Canada  
[Nicole.Backe@dfo-mpo.gc.ca](mailto:Nicole.Backe@dfo-mpo.gc.ca) | Tél : 250-754-0399, Télécopieur 250-754-0391

**From:** Johansson, Todd  
**Sent:** June-12-18 8:12 AM  
**To:** Backe, Nicole  
**Subject:** [REDACTED]

Nicole: [REDACTED]  
[REDACTED]

Thanks:

Todd Johansson  
Aquaculture Management  
8585 Wollason Street  
Port Hardy BC V0N 2P0  
(w) 250-902-2683  
(c) [REDACTED]

s.16(2)(c)  
s.21(1)(a)  
s.21(1)(b)  
s.23

(f) 250-949-6755

**From:** Townsend, Jill  
**Sent:** Monday, June 11, 2018 4:02 PM  
**To:** Johansson, Todd; Vaillancourt, Lynne (DOJ)  
**Cc:** Russow, Theona; Lavigne, Lauren  
**Subject:** [REDACTED]

Todd,

[REDACTED]

Thanks,

Jill

**Jill Townsend**

Litigation Case Manager, Litigation Unit, Fisheries & Oceans Canada | Pêches et Océans Canada, Pacific Regional Office | Région du Pacifique, 200-401 Burrard Street | 401 rue Burrard, Pièce 200, Vancouver, BC V6C 3S4, [Jill.Townsend@dfo-mpo.gc.ca](mailto:Jill.Townsend@dfo-mpo.gc.ca) Telephone | Téléphone (604) 658-2843, Cell | [REDACTED] Government of Canada | Gouvernement du Canada

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s.16(2)(c)

s.21(1)(a)

s.21(1)(b)

s.23

**From:** Townsend, Jill  
**Sent:** June-11-18 3:24 PM  
**To:** Johansson, Todd; Vaillancourt, Lynne (DOJ)  
**Cc:** Russow, Theona; Lavigne, Lauren  
**Subject:** [REDACTED]

Hi Todd and Lynne, and Lauren,

[REDACTED]

Jill

**Jill Townsend**

Litigation Case Manager, Litigation Unit, Fisheries & Oceans Canada | Pêches et Océans Canada, Pacific Regional Office | Région du Pacifique, 200-401 Burrard Street | 401 rue Burrard, Pièce 200, Vancouver, BC V6C 3S4, [Jill.Townsend@dfo-mpo.gc.ca](mailto:Jill.Townsend@dfo-mpo.gc.ca) Telephone | Téléphone (604) 658-2843, Cell | [REDACTED] Government of Canada | Gouvernement du Canada

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**From:** Johansson, Todd  
**Sent:** June-11-18 1:18 PM

**To:** Vaillancourt, Lynne (DOJ)  
**Cc:** Townsend, Jill; Russow, Theona; Lavigne, Lauren  
**Subject:** [REDACTED]

Give me a shout any time. I'm in all week.

Thanks:

Todd Johansson  
Aquaculture Management  
8585 Wollason Street  
Port Hardy BC V0N 2P0  
(w) 250-902-2683  
(c) [REDACTED]  
(f) 250-949-6755

---

**From:** Vaillancourt, Lynne [mailto:Lynne.Vaillancourt@justice.gc.ca]  
**Sent:** Monday, June 11, 2018 12:50 PM  
**To:** Johansson, Todd  
**Cc:** Townsend, Jill; Russow, Theona; Lavigne, Lauren  
**Subject:** [REDACTED]

Hi Todd,

[REDACTED]  
[REDACTED] Thanks.

Lynne

Protected Solicitor-Client Privilege

Lynne Vaillancourt  
DFO Legal Services  
(613)993-3628

s.16(2)(c)  
s.21(1)(a)  
s.21(1)(b)  
s.23

New [Lynne.Vaillancourt@justice.gc.ca](mailto:Lynne.Vaillancourt@justice.gc.ca)

---

**From:** Lavigne, Lauren [mailto:Lauren.Lavigne@dfo-mpo.gc.ca]  
**Sent:** Monday, June 11, 2018 3:42 PM  
**To:** Vaillancourt, Lynne <Lynne.Vaillancourt@justice.gc.ca>  
**Cc:** Russow, Theona <Theona.Russow@dfo-mpo.gc.ca>; Russow, Theona <Theona.Russow@dfo-mpo.gc.ca>  
**Subject:** [REDACTED]

Hi Lynne,

You can call my cell phone at [REDACTED]

[REDACTED]

L

Sent from my BlackBerry 10 smartphone on the Rogers network.

**From:** Vaillancourt, Lynne  
**Sent:** Monday, June 11, 2018 12:36 PM  
**To:** Lavigne, Lauren  
**Cc:** Russow, Theona; Russow, Theona  
**Subject:** [REDACTED]

Hi Lauren,

[REDACTED]

[REDACTED] Thanks so much.

Lynne

Protected Solicitor-Client Privilege

Lynne Vaillancourt  
DFO Legal Services  
(613)993-3628

s.16(2)(c)  
s.21(1)(a)  
s.21(1)(b)  
s.23

New [Lynne.Vaillancourt@justice.gc.ca](mailto:Lynne.Vaillancourt@justice.gc.ca)

**From:** Russow, Theona [<mailto:Theona.Russow@dfo-mpo.gc.ca>]  
**Sent:** Friday, June 08, 2018 11:28 AM  
**To:** Vaillancourt, Lynne <[Lynne.Vaillancourt@justice.gc.ca](mailto:Lynne.Vaillancourt@justice.gc.ca)>; Townsend, Jill <[Jill.Townsend@dfo-mpo.gc.ca](mailto:Jill.Townsend@dfo-mpo.gc.ca)>  
**Cc:** Lavigne, Lauren <[Lauren.Lavigne@dfo-mpo.gc.ca](mailto:Lauren.Lavigne@dfo-mpo.gc.ca)>  
**Subject:** [REDACTED]

Hi Lynne,

[REDACTED]

Thanks,  
Theona

Theona Russow | Litigation Program Manager | Fisheries & Oceans Canada | Pêches et Océans Canada | Pacific Regional Office |  
Région du Pacifique | 200- 401 Burrard Street | 401 rue Burrard, Pièce 200 | Vancouver, BC V6C 3S4 | [Theona.Russow@dfo-mpo.gc.ca](mailto:Theona.Russow@dfo-mpo.gc.ca) | Telephone | Téléphone (604) 666-0776 | Cell [REDACTED] | Government of Canada | Gouvernement du Canada

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---

**From:** Vaillancourt, Lynne [<mailto:Lynne.Vaillancourt@justice.gc.ca>]  
**Sent:** June-08-18 8:24 AM  
**To:** Townsend, Jill  
**Cc:** Lavigne, Lauren; Russow, Theona  
**Subject:** [REDACTED]

Hi Jill,

[REDACTED]

Lynne

**From:** Russow, Theona [<mailto:Theona.Russow@dfo-mpo.gc.ca>]  
**Sent:** Thursday, June 07, 2018 4:26 PM  
**To:** Vaillancourt, Lynne <[Lynne.Vaillancourt@justice.gc.ca](mailto:Lynne.Vaillancourt@justice.gc.ca)>; Townsend, Jill <[Jill.Townsend@dfo-mpo.gc.ca](mailto:Jill.Townsend@dfo-mpo.gc.ca)>  
**Cc:** Lavigne, Lauren <[Lauren.Lavigne@dfo-mpo.gc.ca](mailto:Lauren.Lavigne@dfo-mpo.gc.ca)>  
**Subject:** [REDACTED]

Hi Lynne,

Jill has been assigned to this file but is out of the office for the remainder of the day. She will contact you when she returns to the office tomorrow.

Thanks,  
Theona

Theona Russow | Litigation Program Manager | Fisheries & Oceans Canada | Pêches et Océans Canada | Pacific Regional Office | Région du Pacifique | 200- 401 Burrard Street | 401 rue Burrard, Pièce 200 | Vancouver, BC V6C 3S4 | [Theona.Russow@dfo-mpo.gc.ca](mailto:Theona.Russow@dfo-mpo.gc.ca) | Telephone | Téléphone (604) 666-0776 | Cell [REDACTED] | Government of Canada | Gouvernement du Canada

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---

**From:** Vaillancourt, Lynne [<mailto:Lynne.Vaillancourt@justice.gc.ca>]  
**Sent:** June-07-18 12:33 PM  
**To:** Townsend, Jill; Russow, Theona  
**Cc:** Lavigne, Lauren  
**Subject:** [REDACTED]

Jill and Theona,

[REDACTED]

Lynne

Protected Solicitor-Client Privilege

Lynne Vaillancourt  
DFO Legal Services  
(613)993-3628

New [Lynne.Vaillancourt@justice.gc.ca](mailto:Lynne.Vaillancourt@justice.gc.ca)

**From:** House, Matthew

**Sent:** Wednesday, June 06, 2018 1:52 PM

**To:** 'Townsend, Jill' <[Jill.Townsend@dfo-mpo.gc.ca](mailto:Jill.Townsend@dfo-mpo.gc.ca)>; Lavigne, Lauren <[Lauren.Lavigne@dfo-mpo.gc.ca](mailto:Lauren.Lavigne@dfo-mpo.gc.ca)>; Postman, Steven <[steven.postman@justice.gc.ca](mailto:steven.postman@justice.gc.ca)>; Nevens, Lisa <[Lisa.Nevens@justice.gc.ca](mailto:Lisa.Nevens@justice.gc.ca)>; Webb, Allison <[Allison.Webb@dfo-mpo.gc.ca](mailto:Allison.Webb@dfo-mpo.gc.ca)>; Thomson, Andrew <[Andrew.Thomson@dfo-mpo.gc.ca](mailto:Andrew.Thomson@dfo-mpo.gc.ca)>

**Cc:** Russow, Theona <[Theona.Russow@dfo-mpo.gc.ca](mailto:Theona.Russow@dfo-mpo.gc.ca)>; Vaillancourt, Lynne <[Lynne.Vaillancourt@justice.gc.ca](mailto:Lynne.Vaillancourt@justice.gc.ca)>

**Subject:** [REDACTED]

Matt

**From:** Townsend, Jill [<mailto:Jill.Townsend@dfo-mpo.gc.ca>]

**Sent:** Wednesday, June 06, 2018 12:43 PM

**To:** Lavigne, Lauren <[Lauren.Lavigne@dfo-mpo.gc.ca](mailto:Lauren.Lavigne@dfo-mpo.gc.ca)>; Postman, Steven <[steven.postman@justice.gc.ca](mailto:steven.postman@justice.gc.ca)>; Nevens, Lisa <[Lisa.Nevens@justice.gc.ca](mailto:Lisa.Nevens@justice.gc.ca)>; Webb, Allison <[Allison.Webb@dfo-mpo.gc.ca](mailto:Allison.Webb@dfo-mpo.gc.ca)>; Thomson, Andrew <[Andrew.Thomson@dfo-mpo.gc.ca](mailto:Andrew.Thomson@dfo-mpo.gc.ca)>; House, Matthew <[Matthew.House@justice.gc.ca](mailto:Matthew.House@justice.gc.ca)>

**Cc:** Russow, Theona <[Theona.Russow@dfo-mpo.gc.ca](mailto:Theona.Russow@dfo-mpo.gc.ca)>

**Subject:** [REDACTED]

Matt – [REDACTED]

s.21(1)(a)

Jill

s.21(1)(b)

s.23

**From:** Lavigne, Lauren

**Sent:** June-06-18 9:32 AM

**To:** Townsend, Jill; 'Postman, Steven' ([steven.postman@justice.gc.ca](mailto:steven.postman@justice.gc.ca)); Nevens, Lisa; Webb, Allison; Thomson, Andrew; House, Matthew (DOJ)

**Subject:** [REDACTED]

Thanks Jill –

L

**From:** Townsend, Jill

**Sent:** June-05-18 5:00 PM

**To:** 'Postman, Steven' ([steven.postman@justice.gc.ca](mailto:steven.postman@justice.gc.ca)); Nevens, Lisa; Lavigne, Lauren; Webb, Allison; Thomson, Andrew; House, Matthew (DOJ)

**Subject:** [REDACTED]



FYI

---

**From:** Johal, Sharan **On Behalf Of** Reid, Rebecca  
**Sent:** June-05-18 2:23 PM  
**To:** Russow, Theona  
**Subject:** [REDACTED]

FYI

**Cara Fogliato for Sharan Johal**

Executive Assistant to the Regional Director General/ Assistant Exécutif au Directrice Général Régional  
Tel: 604-666-1376/Fax: 604-666-8956



**Parsons, Jay**

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**From:** Parsons, Jay  
**Sent:** Friday, June 22, 2018 7:51 PM  
**To:** Burgetz, Ingrid  
**Subject:** Fw: FOR URGENT INPUT: recommendation 2018-001-01220 COB TODAY  
**Attachments:** MECTS-#3928594-v1-Recommendation\_2018-001-01220.aw.docx

Just Fyi.

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**From:** LaRue, Jean-François  
**Sent:** Friday, June 22, 2018 04:03 PM  
**To:** Moore, Wayne; Parsons, Jay; Taylor, Nathan; Lowe, Carmel  
**Subject:** FW: FOR URGENT INPUT: recommendation 2018-001-01220 COB TODAY

FYI only

**From:** Webb, Allison  
**Sent:** Friday, June 22, 2018 4:00 PM  
**To:** Barton, Meagan <[Meagan.Barton@dfo-mpo.gc.ca](mailto:Meagan.Barton@dfo-mpo.gc.ca)>  
**Cc:** Delaney, Paula <[Paula.Delaney@dfo-mpo.gc.ca](mailto:Paula.Delaney@dfo-mpo.gc.ca)>; Church, Ashley <[Ashley.Church@dfo-mpo.gc.ca](mailto:Ashley.Church@dfo-mpo.gc.ca)>  
**Subject:** RE: FOR URGENT INPUT: recommendation 2018-001-01220 COB TODAY

FYI and approval up the line.

Thanks,  
Allison

Allison Webb, Director / Directrice  
Aquaculture Management / Gestion de l'aquaculture  
Fisheries Management Branch / Direction de la gestion des pêches  
Fisheries and Oceans Canada / Pêches et Océans Canada  
200 - 401 Burrard St / Rue Burrard, Vancouver BC / C.B. V6C 3S4 Canada  
604-666-7009  
[Allison.webb@dfo-mpo.gc.ca](mailto:Allison.webb@dfo-mpo.gc.ca)

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**From:** Barton, Meagan  
**Sent:** 2018-June-22 9:43 AM  
**To:** Webb, Allison  
**Cc:** Delaney, Paula; Church, Ashley  
**Subject:** FW: FOR URGENT INPUT: recommendation 2018-001-01220 COB TODAY  
**Importance:** High

Hi Allison,

Please see below tasking for recommendation to the below email and attached letter for the MINO.

Please provide input for this recommendation by **COB TODAY**.

Thank you

Eva

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**From:** Church, Ashley  
**Sent:** June-22-18 9:24 AM  
**To:** Barton, Meagan  
**Subject:** FOR URGENT INPUT: recommendation 2018-001-01220 COB TODAY  
**Importance:** High

Hi Eva,

The following docket is for processing for the Minister

Lead: PAC - FM  
GCCMS #: 2018-001-01220  
Routed to FM in GCCMS

If you believe your group should not take the lead/provide input on this docket, please advise me immediately.

**Background: Please see attached letter and provide a recommendation in the above word document.**

**Please have Andy sign off on this docket as RD and RDG today. RDGO requires this document approved and in our office by COB today.**

Thank you,

**Ashley Church**

Correspondence Officer | Agente de correspondance  
Regional Director General's Office/Bureau Directeur Général Regional  
Fisheries and Oceans Canada | Pêches et Océans Canada  
Telephone | Téléphone (604) 666-3303  
[Ashley.Church@dfo-mpo.gc.ca](mailto:Ashley.Church@dfo-mpo.gc.ca)

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**From:** Mostowich, Kyla  
**Sent:** June-22-18 8:51 AM  
**To:** Church, Ashley  
**Cc:** Bruvels, Chantal  
**Subject:** FOR URGENT INPUT: recommendation 2018-001-01220 COB TODAY  
**Importance:** High

Hello,

Please provide input for this recommendation by **COB TODAY**.

**MINO has requested a recommendation ASAP.**

BC Salmon Farmers Association has requested a meeting with Minister LeBlanc on an expedited basis in relation to the BC provincial government's announcement on fish farms/ meeting can take place in Ottawa

The following information will need to be included in your response:

- completed "Recommendation Template" indicating whether the Minister should attend/meet (**Y/N**)
- up to 3 bullets of context/background info for the recommendation
- the completed approval form

- o Please let MCU know if further approvals are needed. For example, Commissioner Hutchinson.

If you need to request a **lead change, contact MCU immediately**. Please do not wait until the recommendation is due or late.

*Please note:* Should input from multiple sectors, directorates and/or regions be required, the MCU designated lead will be responsible for obtaining contributions.

Thank you for your assistance with this docket,

**Kyla Mostowich**

Analyst, Ministerial Correspondence Unit  
Fisheries and Oceans Canada / Government of Canada  
[Kyla.Mostowich@dfo-mpo.gc.ca](mailto:Kyla.Mostowich@dfo-mpo.gc.ca)

Analyste, Unité de la correspondance ministérielle  
Pêches et Océans Canada / Gouvernement du Canada  
[Kyla.Mostowich@dfo-mpo.gc.ca](mailto:Kyla.Mostowich@dfo-mpo.gc.ca)

# Ministerial Correspondence / Correspondance ministérielle

## Approval Form / Formulaire d'approbation

MCCU DOCKET # / N° DU DOSSIER UCCM: 2018-001-01220	MCCU CONTACT / RESPONSABLE À L'UCCM : KYLA MOSTOWICH
RECOMMENDATION/ RECOMMANDATION	

### DATE AND DEADLINES / DATE ET ÉCHÉANCE

DUE DATE TO MINO / ÉCHÉANCE AU CM : (mm-dd-yyyy / mm-jj-aaaa)	7/27/2018	DATE RECEIVED IN MCCU / DATE DE RÉCEPTION À L'UCCM : (mm-dd-yyyy / mm-jj-aaaa)	6/22/2018
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### COMMENTS / APPROACH – COMMENTAIRES / APPROCHE

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### APPROVALS / APPROBATIONS

Level / Niveau	Name, Title and Sector / Nom, titre et secteur	Assigned Date / Date fixée	Date Due / Échéance	Date Approved / Date d'approbation	Changes / Modifications
Director / Directeur(trice)					
DG Regional Director / Directeur(trice) régional(e)					
<b>IF NECESSARY / SI NÉCESSAIRE</b>					
ADM / RDG / DC / CO / AC SMA / DGR / SA / BC / CA					
Indigenous Affairs / Affaires autochtones Legal / Services juridiques IGA / AI					
<b>IF / SI PROVINCIAL / TERRITORIAL</b>					
DM / SM					
PCO / BCP					

### OTHER CONSULTATIONS / AUTRES CONSULTATIONS

INFO COPIES TO / COPIES POUR INFORMATION À (Office, Branch, Date / Bureau, direction, date)	DEVELOPED WITH SME(S) OR OTHER STAKEHOLDER(S) / ÉLABORÉ AVEC EXPERT(S) EN LA MATIÈRE OU AUTRE(S) INTERVENANT(S) (Name, Title, Branch, Date / Nom, titre, direction, date)
•	•
OGD / AMG - (Name, Title, Branch, Date / Nom, titre, direction, date)	
•	

### FOR MCCU USE / RÉSERVÉ À L'UCCM

b.c.c. / Cci – (Name, Department / Nom, ministère)	c.c. – (Name, email address / contact info / Nom, courriel, coordonnées)
•	•
ATTACHMENTS TO RESPONSE / PIÈCES JOINTES À LA RÉPONSE	
•	

## RECOMMENDATION FOR DOCKET 2018-001-01220

### Correspondent:



BC Salmon Farmers Association

### Event / Meeting:

BC Salmon Farmers Association has requested a meeting with Minister LeBlanc on an expedited basis in relation to the BC provincial government's announcement on fish farms.

### Recommendation:



### Rationale / Background Information:

- On June 15, 2018, BC Premier John Horgan announced the creation of a Wild Salmon Advisory Council. The Council will be made up of 14 representatives with a variety of expertise related to salmon management, including members of First Nations, local

s.19(1)  
s.21(1)(a)  
s.21(1)(b)

politicians, biologists, and commercial and recreational fishing organizations. The group will provide input and recommendations to guide the development of a strategy for restoring and sustaining BC salmon populations, which will be submitted to the legislative assembly this fall.

- On June 20, 2018, Lana Popham, BC Minister of Agriculture, and Doug Donaldson, Minister of Forests, Lands, Natural Resource Operations and Rural Development, announced the establishment of new rules and expectations for the renewal of BC salmon aquaculture tenures.
- As a result of this announcement, any expiring salmon aquaculture tenures will be granted month-to-month agreements until June 30, 2022, the date on which most federally-issued salmon aquaculture licences will expire. After that point, tenures will only be renewed on a long-term basis if DFO has determined that the operations will not adversely impact wild salmon stocks, and if the company has the agreement of First Nation(s) in whose territory they propose to operate.
- An exception to this is in the Broughton Archipelago where decisions have not yet been made on the future of the sites pending on-going negotiations with First Nations.
- The BC Salmon Farmers Association will be eager to hear the Government of Canada's position on this issue, and to discuss concrete action items to support continued aquaculture operations in BC post-June, 2022.

## Taekema, Bernie John

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**From:** Fettes, Lesley FLNR:EX <Lesley.Fettes@gov.bc.ca>  
**Sent:** June-28-18 11:59 AM  
**To:** Taekema, Bernie John  
**Cc:** Mayser, Rudi E FLNR:EX  
**Subject:** RE: List of questions from DFO

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Hi Bernie,

Thanks for the chat and the list of questions. Unfortunately at this point I do not have any specific answers, except to say that our operational land use policy for aquaculture is still in place and still includes the relocation provision, restriction on types of amendments, pause on new sites, and allowance for infrastructure increases up to 30% of the intensive use area (i.e. infrastructure).

I have added some comments in red below to clarify some of your questions where I think you are referring to a different aspect of our policy.

Lesley

Lesley Fettes  
Section Head, Aquaculture  
**Ministry of Forests, Lands, Natural Resource Operations and Rural Development**  
phone: (250) 897-7541

**From:** Taekema, Bernie John [<mailto:BernieJohn.Taekema@dfo-mpo.gc.ca>]  
**Sent:** Tuesday, June 26, 2018 4:10 PM  
**To:** Fettes, Lesley FLNR:EX  
**Subject:** List of questions

Hi Lesley,

It was good to touch base with you this morning. As discussed, the following is a list of questions that pertain to the provincial management of the marine finfish aquaculture file as it relates to the recent provincial announcement on the Broughton tenure renewals. Just to note that the announcement does apply to all our finfish tenures.

Will the province still consider authorizing the transfer of production from one farm (in the Broughton) to another (not in Broughton) through the ~~Incidental Use policy~~ relocation provisions in the provincial policy?

Will the province accept amendments related to containment array changes in the Broughton? Management plan changes that increase infrastructure by greater than 30% are considered an amendment. We cannot amend an expired tenure, so for those tenures on month-to-month we may not be able to approve changes to tenure boundaries or to increases in infrastructure greater than 30%.

Will the province continue to not support production increases in areas outside of the Discovery Islands and the Broughton through the appendix 2 of the operational land use policy ~~Incidental Use policy~~?



Is it the provincial government's position, that post July 2022 when a marine finfish tenure expires anywhere in BC, a new tenure not be issued unless First Nations consent is given rather than at present where the expectation is that only full consultation is required?

Will the province's present consultation process with the First Nations, excluding the Broughton farms, change prior to June 2022 as a result of the provincial government announcement?

Will the harmonized process (DFO, FLNRO, TC) change as a result of provincial government announcement?

We understand there is an initiative to modify/or withdraw the Incidental Use policy. What is the potential time period for this to occur? There is no initiative at this point.

Will the province be accepting applications for farms, excluding those in the Broughton, who's tenure is month-to-month? I think you mean amendment applications? – we cannot amend expired tenures.

That is all I can think of right now Lesley.

I will be forwarding these questions to the director who will be likely passing them to senior provincial officials for their response.

Bernie Taekema  
Senior Aquaculture Management Coordinator  
1965 Island Diesel Way  
Nanaimo BC V9S 5W8  
phone: 250 754-0398  
cell: [REDACTED]

s.16(2)(c)

**Lim, Susan**

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**From:** Lim, Susan  
**Sent:** July-05-18 5:11 PM  
**To:** Backe, Nicole; Taekema, Bernie John; Kosmider, Gabrielle; John Mackie; Lesley Fettes; Jim Johnson; Diane Tetarenko; Hedderson, Lisa  
**Subject:** Agenda - PRT Conference Call - Tuesday, July 10, 2018  
**Attachments:** July 10 2018 - PRT Updated Review.docx

Hello everyone,

See attached agenda for the PRT conference call scheduled for Tuesday, July 10th at 10 am.

Let me know if you would like to add anything to the agenda or if you are not able to attend.

Regards,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

**PRT File Review  
10 July 2018  
10:00 am**

Call in number: 1-877-413-4781 Code [REDACTED]

Proposed Attendees: Diane Tetarenko, Jim Johnson, Lesley Fettes, John Mackie, Gabrielle Kosmider, Bernie Taekema, Nicole Backe  
Secretariat: Susan Lim

**PRT File Review**

Company	ATS / Lands No	Site Ref / TC NPP NO	Application Status	Notes
UHA – Stag Bay	249558	8333	DFO – Accept? FLNRO – TC – Accept	Geoduck – UHA sent additional info on June 29, 2018
UHA – WS Hernando Isl	249557	8373	DFO – Accept FLNRO – TC – JM – Accept	Geoduck - FLNRO to request for more info from UHA.
UHA – NW Hernando Isl	249635	8355	DFO – Accept FLNRO – TC – JM – Accept	Geoduck – FLNRO to request for more info from UHA
Klahoose Shellfish Inc. -Baker Passage, N. Hernando Isl	261811	9249	DFO - req additional info FLNRO – req additional TC – Accept	Geoduck FLNRO and DFO requires top view ops diagram – PRT Secretariat requested from applicant.
Marine Harvest Canada -Koskimo Bay	1401722	144	DFO - Accept FLNRO – TC – Accept	Amend lease boundary and infrastructure Marco is waiting for <u>additional</u> info from applicant.
Marine Harvest Canada -Shelter Passage	268964 1404091	831	DFO - Accept FLNRO – TC – Accept	Replacement of cage array plan from 70m to 80m. -Marco is reviewing and will provide update soon. IAU to be confirmed.
Barkley Sound Shellfish LP -Macaoh Passage - A	268796	9350	DFO - FLNRO – TC – Do Not Accept-req info	10 Ha, Geoduck – DFO Pre-screening completed. Apr 27 - Secretariat emailed PRT the updated application from applicant. May 3-TC would like additional info. Nicole will call applicant.
Barkley Sound Shellfish LP -Macaoh Passage - B	268800	9351	DFO - req additional info FLNRO – accept if they change tenure type to licence to occupy TC –	6.3 Ha -Geoduck – DFO Pre-screening - see above comment. Will need to confirm whether this application will be withdrawn.
Marine Harvest Canada -Mahatta West	269488/ 1406961	1238	DFO - Accept/will not be assessing FLNRO – require additional info TC – Accept	Increase tenure boundary for anchoring. No change in production or infrastructure. TC rec'd additional map. Marco request more info from MHC.
DIA Technologies -Agamemnon Channel Farm	2401887	102	DFO – FLNRO – TC –	Defining new target species among approved list and redefining the farming system. (IAU)
Marine Harvest Canada -Monday Rock	ATS 271399/ 1406960	1237	DFO – Accept FLNRO – require additional info TC – Accept	Amend lease boundary and infrastructure. FLNRO to request for more info.

s.16(2)(c)

Accepted but waiting Official Referral - FLNRO working on statusing and engagement letter				
	260534 / 1413764	9171	DFO - Accept FLNRO - Accept TC - Accept	Geoduck, Baynes Sound PRT accepted Dec. 19, 2017 Waiting for Eng Letters to be written.
Abrupt Shellfish Inc.	262592 / 1414783	9289	DFO - Accept FLNRO - Accept TC - Accept	Geoduck, Preedy Harbour west PRT accepted - Dec. 19, 2017 Waiting for Eng Letters to be written.
Penelakut Seafoods -Booth Bay	253164 / 1414788	9149	DFO - Accept FLNRO - Accept TC - Accept	Manila Clam, Pacific Oyster, Littleneck Clam PRT accepted - Jan. 9, 2018 Waiting for Eng Letters to be written.
Grieg Seafood BC Ltd -Ahlstrom	266673/ 2408042	1698	DFO - Accept FLNRO - Accept TC - Accept	Tenure expansion, addition of infrastructure and production -relocate Kunechin to Ahlstrom PRT accepted - April 19, 2018 Statusing, waiting for Eng/Referrals to be sent
Maplestar Seafood Ltd -Nanose Bay	254483	6712	DFOARM - Accept DFO AEO - accept FLNRO - Accept TC - Accept	Geoduck PRT accepted - April 30, 2018 Waiting for Statusing
Grieg Seafood BC Ltd -Culloden Point	266678/ 2408043	1697	DFO - Accept FLNRO - Accept TC - Accept	Tenure expansion, addition of infrastructure and production -relocate Newcomb to Culloden PRT accepted - May 10, 2018
Northeast Shellfish -Northeast Bay	266998	9349	DFO - Accept FLNRO - Accept TC - Accept	13 species includes geoduck - DFO Pre-screening completed -PRT accepted - May 28, 2018
Marine Harvest Canada -Mahatta East	269810/ 1403748	1338	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. No change in production or infrastructure. -PRT accepted - July 4, 2018
Grieg Seafood BC Ltd. -Noo-ia	1411154	1825	DFO - Accept FLNRO - Accept TC - Accept	(Bennett Point), IAU Change cage array configuration PRT accepted - April 24, 2018
MHC -Glacier Falls	1405180	821	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. PRT accepted - Mar 7, 2018
MHC -Humphrey Rock	1409707	1618	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. PRT accepted Mar 7, 2018
MHC -Sargeant's Passage	1403328	1059	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. PRT accepted Mar 7, 2018
Cermaq Cda -Cypress Harbour	1405381	458	DFO - Accept FLNRO - Accept TC - Accept	IAU, change in ancillary structures PRT accepted Mar. 7, 2018
Cermaq Cda -Wehlis Bay	1407731	1335	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	IAU, change in cage array configuration PRT accepted Mar. 7, 2018
Cermaq -Simmonds Point	1407730	1336	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	IAU, change in cage array configuration PRT accepted Mar. 7, 2018

Decision Pending / AIP	Type	Facility	Facility No	Landfile No	Status
Tla'amin Nation	SF NEW	SE Harwood Island	6710	1413796	AIP (Pre-Seed harvest)

#### Topics to Discuss

When applications are still at PRT, we should combine all our requests to client into one request and PRT Secretariat will send out to client. This will prevent confusion on who is being sent what.

Reminder: If you are in contact with applicant and receive additional information post-PRT, please share this information.

Metlakatla Development Corporation Applications – Morse Basin #1 & #2 (Seed only), Tuck Inlet #1, #2, #3 (Appendix 13)

- Nov. 30, 2017 - FCBC sent letter to Metlakatla including options for Tuck Inlet applications.
- May 3, 2018 – Melinda contacted applicants for Morse Basin #1 & #2. They will be submitting new site applications to FCBC.

#### **DFO - Clock Paused – On Hold and Approved in Principle**

ATS156286/1261 1407063 - Odyssey Seafood - Harmonization and coordination of decision-making  
ATS 150100/535 0278745 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150101/1533 0278772 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150485/531 0278755 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150097/521 0278767 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150099/519 0278753 - [REDACTED] (Mac's) - Harmonization and coordination of decision-making  
ATS 155429/7614 1414372 - [REDACTED] - Harmonization and coordination of decision-making  
ATS 155430/7693 2409221 - [REDACTED] site 2 - Harmonization and coordination of decision-making

DFO AIP 6710 1413796 Tla'amin Nation – Pre-seed harvesting

New Issue – Unlicensed facilities – DFO to review applications 1<sup>st</sup> – would like to renew as they would have originally been licensed for, and then accept an amendment application. This would have to be looked at 1<sup>st</sup> on a case by case basis.

s.19(1)

**Lim, Susan**

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**From:** Lim, Susan  
**Sent:** July-23-18 11:53 AM  
**To:** Alysha.Hile@gov.bc.ca; Diane Tetarenko; Lesley Fettes; John Mackie; Taekema, Bernie  
John; Kosmider, Gabrielle; Hedderson, Lisa; Jim Johnson  
**Subject:** Agenda - PRT Conference Call - Tuesday, July 24th at 10 am  
**Attachments:** July 24 2018 - PRT Updated Review.docx

Hello everyone,

See attached agenda for the PRT conference call scheduled for Tuesday, July 24th at 10 am.

Let me know if you would like to add anything to the agenda or if you are not able to attend.

Regards,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

**PRT File Review**  
**24 July 2018**  
**10:00 am**

Call in number: 1-877-413-4781 Code [REDACTED]

**Proposed Attendees:** Diane Tetarenko, Jim Johnson, Lesley Fettes, John Mackie, Gabrielle Kosmider, Bernie Taekema, Lisa Hedderson  
**Secretariat:** Susan Lim

**PRT File Review**

<b>Company</b>	<b>ATS / Lands No</b>	<b>Site Ref / TC NPP NO</b>	<b>Application Status</b>	<b>Notes</b>
UHA – Stag Bay	249558	8333	DFO – FLNRO – TC – Accept	Geoduck – UHA sent additional info on June 29, 2018 - DFO Pre-Screen Updated application will be sent to FCBC.
UHA – WS Hernando Isl	249557	8373	DFO – Accept FLNRO – TC – JM – Accept	Geoduck - FLNRO to request for more info from UHA.
UHA – NW Hernando Isl	249635	8355	DFO – Accept FLNRO – TC – JM – Accept	Geoduck – FLNRO to request for more info from UHA
Marine Harvest Canada -Koskimo Bay	1401722	144	DFO - Accept FLNRO – TC – Accept	Amend lease boundary and infrastructure Marco is waiting for <u>additional</u> info from applicant.
Barkley Sound Shellfish LP -Macaoh Passage - A	268796	9350	DFO - req more info FLNRO – TC – Do Not Accept-req info	10 Ha, Geoduck – DFO Pre-screening completed. Melinda sent email to applicant requesting more info. Reapply under “Toquaht Nation”.
Barkley Sound Shellfish LP -Macaoh Passage - B	268800	9351	DFO - req additional info FLNRO – accept if they change tenure type to licence to occupy TC –	6.3 Ha -Geoduck – DFO Pre-screening [REDACTED] applicant will pursue with above 10 Ha application.
Marine Harvest Canada -Mahatta West	269488/ 1406961	1238	DFO - Accept/will not be assessing FLNRO – require additional info TC – Accept	Increase tenure boundary for anchoring. No change in production or infrastructure. Marco requested more info from MHC.
DIA Technologies -Agamemnon Channel Farm	2401887	102	DFO – Req additional info. FLNRO – TC –	Defining new target species among approved list and redefining the farming system. (IAU). DFO determined this is a management plan amendment only. **NOTE: Remove from PRT List
Marine Harvest Canada -Monday Rock	ATS 271399/ 1406960	1237	DFO – Accept FLNRO – require additional info TC – Accept	Amend lease boundary and infrastructure. Marco requested for more info.
Marine Harvest Canada -Chancellor Channel	ATS 333389/ 1405245	790	DFO - FLNRO – TC – Accept	Amend cage array location. Possible IAU.

s.16(2)(c)

s.20(1)(b)

s.21(1)(b)

Accepted but waiting Official Referral - FLNRO working on statusing and engagement letter				
	260534 / 1413764	9171	DFO - Accept FLNRO - Accept TC - Accept	Geoduck, Baynes Sound PRT accepted Dec. 19, 2017 Waiting for Eng Letters to be written.
Abrupt Shellfish Inc.	262592 / 1414783	9289	DFO - Accept FLNRO - Accept TC - Accept	Geoduck, Preedy Harbour west PRT accepted - Dec. 19, 2017 Waiting for Eng Letters to be written.
Penelakut Seafoods -Booth Bay	253164 / 1414788	9149	DFO - Accept FLNRO - Accept TC - Accept	Manila Clam, Pacific Oyster, Littleneck Clam PRT accepted - Jan. 9, 2018 Waiting for Eng Letters to be written.
Grieg Seafood BC Ltd -Ahlstrom	266673/ 2408042	1698	DFO - Accept FLNRO - Accept TC - Accept	Tenure expansion, addition of infrastructure and production -relocate Kunechin to Ahlstrom PRT accepted - April 19, 2018 Statusing, waiting for Eng/Referrals to be sent
Maplestar Seafood Ltd -Nanose Bay	254483	6712	DFOARM - Accept DFO AEO - accept FLNRO - Accept TC - Accept	Geoduck PRT accepted - April 30, 2018 -engagement letter
Grieg Seafood BC Ltd -Culloden Point	266678/ 2408043	1697	DFO - Accept FLNRO - Accept TC - Accept	Tenure expansion, addition of infrastructure and production -relocate Newcomb to Culloden PRT accepted - May 10, 2018
Northeast Shellfish -Northeast Bay	266998	9349	DFO - Accept FLNRO - Accept TC - Accept	13 species includes geoduck - DFO Pre-screening completed -PRT accepted - May 28, 2018 -statused/engagement letter
Marine Harvest Canada -Mahatta East	269810/ 1403748	1338	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. No change in production or infrastructure. -PRT accepted - July 4, 2018
Klahoose Shellfish Inc. -Baker Passage, N. Hernando Isl	261811	9249	DFO - Accept FLNRO - Accept TC - Accept	Geoduck PRT accepted - July 17, 2018
Grieg Seafood BC Ltd. -Noo-la	1411154	1825	DFO - Accept FLNRO - Accept TC - Accept	(Bennett Point), IAU Change cage array configuration PRT accepted - April 24, 2018
MHC -Glacier Falls	1405180	821	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. PRT accepted - Mar 7, 2018
MHC -Humphrey Rock	1409707	1618	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. PRT accepted Mar 7, 2018
MHC -Sargeant's Passage	1403328	1059	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. PRT accepted Mar 7, 2018
Cermaq Cda -Cypress Harbour	1405381	458	DFO - Accept FLNRO - Accept TC - Accept	IAU, change in ancillary structures PRT accepted Mar. 7, 2018
Cermaq Cda -Wehlis Bay	1407731	1335	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	IAU, change in cage array configuration PRT accepted Mar. 7, 2018
Cermaq -Simmonds Point	1407730	1336	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	IAU, change in cage array configuration PRT accepted Mar. 7, 2018



Decision Pending / AIP	Type	Facility	Facility No	Landfile No	Status
Tla'amin Nation	SF NEW	SE Harwood Island	6710	1413796	(Pre-Seed harvest completed) licence will be issued once payment received

#### Topics to Discuss

When applications are still at PRT, we should combine all our requests to client into one request and PRT Secretariat will send out to client. This will prevent confusion on who is being sent what.

Reminder: If you are in contact with applicant and receive additional information post-PRT, please share this information.

Metlakatla Development Corporation Applications – Morse Basin #1 & #2 (Seed only), Tuck Inlet #1, #2, #3 (Appendix 13)

- Nov. 30, 2017 - FCBC sent letter to Metlakatla including options for Tuck Inlet applications.
- May 3, 2018 – Melinda contacted applicants for Morse Basin #1 & #2. They will be submitting new site applications to FCBC.

#### DFO - Clock Paused – On Hold and Approved in Principle

ATS156286/1261 1407063 - Odyssey Seafood - Harmonization and coordination of decision-making  
ATS 150100/535 0278745 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150101/1533 0278772 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150485/531 0278755 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150097/521 0278767 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150099/519 0278753 - [REDACTED] (Mac's) - Harmonization and coordination of decision-making  
ATS 155429/7614 1414372 - [REDACTED] - Harmonization and coordination of decision-making  
ATS 155430/7693 2409221 - [REDACTED] site 2 - Harmonization and coordination of decision-making

DFO AIP 6710 1413796 Tla'amin Nation – Pre-seed harvesting

New Issue – Unlicensed facilities – DFO to review applications 1<sup>st</sup> – would like to renew as they would have originally been licensed for, and then accept an amendment application. This would have to be looked at 1<sup>st</sup> on a case by case basis.

s.19(1)

**Lim, Susan**

---

**From:** Lim, Susan  
**Sent:** July-31-18 1:57 PM  
**To:** Hedderson, Lisa; Taekema, Bernie John; Kosmider, Gabrielle; John Mackie; Jim Johnson; Lesley Fettes; Diane Tetarenko  
**Cc:** Wagner, Jordan (Jordan.Wagner@gov.bc.ca)  
**Subject:** Agenda - PRT Conference Call - August 7th at 10 am  
**Attachments:** August 7 2018 - PRT Updated Review.docx

Hello everyone,

See attached agenda for the PRT conference call scheduled for Tuesday, August 7th at 10 am.

Let me know if you would like to add anything to the agenda or if you are not able to attend.

Thank you,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

**PRT File Review**  
**7 August 2018**  
**10:00 am**

Call in number: 1-877-413-4781 Code [REDACTED]

Proposed Attendees: Diane Tetarenko, Jim Johnson, Lesley Fettes, John Mackie, Gabrielle Kosmider, Bernie Taekema, Lisa Hedderson  
Secretariat: Susan Lim

**PRT File Review**

Company	ATS / Lands No	Site Ref / TC NPP NO	Application Status	Notes
UHA – Stag Bay	249558	8333	DFO – FLNRO – TC – Accept	Geoduck – DFO Pre-Screen. Updated application rec'd on July 27, 2018.
UHA – WS Hernando Isl	249557	8373	DFO – Accept FLNRO – TC – JM – Accept	Geoduck - FLNRO to request for more info from UHA. Rec'd updated application on July 27, 2018
UHA – NW Hernando Isl	249635	8355	DFO – Accept FLNRO – TC – JM – Accept	Geoduck – FLNRO to request for more info from UHA July 26 – Rec'd updated application
Marine Harvest Canada -Koskimo Bay	1401722	144	DFO - Accept FLNRO – TC – Accept	Amend lease boundary and infrastructure Marco is waiting for <u>additional</u> info from applicant.
Marine Harvest Canada -Monday Rock	ATS 271399/ 1406960	1237	DFO – Accept FLNRO – require additional info TC – Accept	Amend lease boundary and infrastructure. Marco requested for more info.
Marine Harvest Canada -Chancellor Channel	ATS 333389/ 1405245	790	DFO - Accept FLNRO – TC – Accept	Amend cage array location. Possible IAU.
WeWai Kai First Nation	ATS 332973/ 1411207	1933	DFO - Accept FLNRO – TC –	Addition of geoduck, new culture type and infrastructure Confirm if TC and FLNRO would like to review.

Accepted but waiting Official Referral - FLNRO working on statusing and engagement letter				
[REDACTED]	260534 / 1413764	9171	DFO - Accept FLNRO – Accept TC – Accept	Geoduck, Baynes Sound PRT accepted Dec. 19, 2017 Waiting for Eng Letters to be written.
Abrupt Shellfish Inc.	262592 / 1414783	9289	DFO - Accept FLNRO – Accept TC – Accept	Geoduck, Preedy Harbour west PRT accepted – Dec. 19, 2017 Waiting for Eng Letters to be written.
Penelakut Seafoods -Booth Bay	253164 / 1414788	9149	DFO - Accept FLNRO – Accept TC – Accept	Manila Clam, Pacific Oyster, Littleneck Clam PRT accepted – Jan. 9, 2018 Waiting for Eng Letters to be written.
Grieg Seafood BC Ltd -Ahlstrom	266673/ 2408042	1698	DFO - Accept FLNRO – Accept TC – Accept	Tenure expansion, addition of infrastructure and production -relocate Kunechin to Ahlstrom PRT accepted – April 19, 2018 Statusing, waiting for Eng/Referrals to be sent
Maplestar Seafood Ltd -Nanoose Bay	254483	6712	DFOARM – Accept DFO AEO - accept FLNRO – Accept TC – Accept	Geoduck PRT accepted – April 30, 2018 -engagement letter

s.16(2)(c)

s.19(1)

Grieg Seafood BC Ltd -Culloden Point	266678/ 2408043	1697	DFO - Accept FLNRO - Accept TC - Accept	Tenure expansion, addition of infrastructure and production -relocate Newcomb to Culloden PRT accepted - May 10, 2018
Marine Harvest Canada -Mahatta East	269810/ 1403748	1338	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. No change in production or infrastructure. -PRT accepted - July 4, 2018
Klahoose Shellfish Inc. -Baker Passage, N. Hernando Isl	261811	9249	DFO - Accept FLNRO - Accept TC - Accept	Geoduck PRT accepted - July 17, 2018
Marine Harvest Canada -Mahatta West	269488/ 1406961	1238	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. No change in production or infrastructure. PRT accepted - July 25, 2018
<b>Finfish Applications awaiting tenure renewals</b>				
Grieg Seafood BC Ltd. -Noo-la	1411154	1825	DFO - Accept FLNRO - Accept TC - Accept	(Bennett Point), IAU Change cage array configuration PRT accepted - April 24, 2018
MHC -Glacier Falls	1405180	821	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. PRT accepted - Mar 7, 2018
MHC -Humphrey Rock	1409707	1618	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. PRT accepted Mar 7, 2018
MHC -Sargeant's Passage	1403328	1059	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	Increase tenure boundary for anchoring. PRT accepted Mar 7, 2018
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Decision Pending / AIP	Type	Facility	Facility No	Landfile No	Status
Tla'amin Nation	SF NEW	SE Harwood Island	6710	1413796	Licence Issued On July 19, 2018

#### Topics to Discuss

When applications are still at PRT, we should combine all our requests to client into one request and PRT Secretariat will send out to client. This will prevent confusion on who is being sent what.

Reminder: If you are in contact with applicant and receive additional information post-PRT, please share this information.

Metlakatla Development Corporation Applications – Morse Basin #1 & #2 (Seed only), Tuck Inlet #1, #2, #3 (Appendix 13)

- Nov. 30, 2017 - FCBC sent letter to Metlakatla including options for Tuck Inlet applications.
- May 3, 2018 – Melinda contacted applicants for Morse Basin #1 & #2. They will be submitting new site applications to FCBC.

---

**DFO - Clock Paused – On Hold and Approved in Principle**

ATS156286/1261 1407063 - Odyssey Seafood - Harmonization and coordination of decision-making  
ATS 150100/535 0278745 - Mac's Oysters - Harmonization and coordination of decision-making  
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ATS 150485/531 0278755 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150097/521 0278767 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150099/519 0278753 - [REDACTED] (Mac's) - Harmonization and coordination of decision-  
ATS 155429/7614 1414372 - [REDACTED] - Harmonization and coordination of decision-making  
ATS 155430/7693 2409221 - [REDACTED] site 2 - Harmonization and coordination of decision-making

New Issue – Unlicensed facilities – DFO to review applications 1<sup>st</sup> – would like to renew as they would have originally been licensed for, and then accept an amendment application. This would have to be looked at 1<sup>st</sup> on a case by case basis.

**Lim, Susan**

---

**From:** Lim, Susan  
**Sent:** August-07-18 3:33 PM  
**To:** Hedderson, Lisa; Taekema, Bernie John; Scott, Melinda; Jim Johnson; Wagner, Jordan (Jordan.Wagner@gov.bc.ca); Lesley Fettes; Diane Tetarenko; John Mackie  
**Cc:** Pauls, Guinevere  
**Subject:** Updated Agenda - PRT Conference Call - Wed. Aug. 8, 2018 @ 11:30 am  
**Attachments:** August 8 2018 - PRT Updated Review.docx

Hello everyone,

See attached updated agenda for the PRT conference call scheduled for tomorrow (August 8, 2018) at 11:30 am.

Let me know if you would like to add anything to the agenda or if you are not able to attend.

Regards,  
Susan Lim  
A/Aquaculture Referral Officer  
Aquaculture Management Division / Gestion de l'aquaculture

Fisheries and Oceans Canada / Pêches et Océans Canada  
200-401 Burrard Street / 401, rue Burrard, bureau 200  
Vancouver, BC / CB V6C 3S4

Phone / téléphone: (604) 666-0329  
[susan.lim@dfo-mpo.gc.ca](mailto:susan.lim@dfo-mpo.gc.ca)

**PRT File Review**  
**8 August 2018**  
**11:30 am**

Call in number: 1-877-413-4781 Code [REDACTED]

**Proposed Attendees:** Diane Tetarenko, Jim Johnson (Jordan Wagner), Lesley Fettes, John Mackie, Gabrielle Kosmider (Melinda Scott), Bernie Taekema, Lisa Hedderson  
**Secretariat:** Susan Lim

**PRT File Review**

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UHA – WS Hernando Isl	249557	8373	DFO – Accept FLNRO – TC – Accept	Geoduck - FLNRO to request for more info from UHA. Rec'd updated application on July 27, 2018. FCBC requested re-submission on new form.
UHA – NW Hernando Isl	249635	8355	DFO – Accept FLNRO – TC – Accept	Geoduck – FLNRO to request for more info from UHA July 26 – Rec'd updated application. FCBC requested re-submission on new form.
Marine Harvest Canada -Koskimo Bay	1401722	144	DFO - Accept FLNRO – TC – Accept	Amend lease boundary and infrastructure Marco is waiting for <u>additional</u> info from applicant.
Marine Harvest Canada -Chancellor Channel	ATS 333389/ 1405245	790	DFO - Accept FLNRO – TC – Accept	Amend cage array location. Possible IAU.
WeWai Kai First Nation	ATS 332973/ 1411207	1933	DFO - Accept FLNRO – TC –	Addition of geoduck, new culture type and infrastructure Updated application rec'd July 30 <sup>th</sup> . TC - addition of infrastructure FLNRO – review ?

**Accepted but waiting Official Referral - FLNRO working on statusing and engagement letter**

Penelakut Seafoods -Booth Bay	253164 / 1414788	9149	DFO - Accept FLNRO – Accept TC – Accept	Manila Clam, Pacific Oyster, Littleneck Clam PRT accepted – Jan. 9, 2018 Waiting for Eng Letters to be written.
Maplestar Seafood Ltd -Nanose Bay	254483	6712	DFOARM – Accept DFO AEO - accept FLNRO – Accept TC – Accept	Geoduck PRT accepted – April 30, 2018 -engagement letter
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Cermaq -Simmonds Point	1407730	1336	DFO - Accept/will not be assessing FLNRO - Accept TC - Accept	IAU, change in cage array configuration PRT accepted Mar. 7, 2018

Decision Pending / AIP	Type	Facility	Facility No	Landfile No	Status
Tla'amin Nation	SF NEW	SE Harwood Island	6710	1413796	Licence Issued On July 19, 2018
Metlakatla Dev Corp	SF NEW	Pike Island	9209	1414772	Licence Issued On July 19, 2018

#### Topics to Discuss

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- May 3, 2018 – Melinda contacted applicants for Morse Basin #1 & #2. They will be submitting new site applications to FCBC.

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ATS 150100/535 0278745 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150101/1533 0278772 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150485/531 0278755 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150097/521 0278767 - Mac's Oysters - Harmonization and coordination of decision-making  
ATS 150099/519 0278753 - [REDACTED] (Mac's) - Harmonization and coordination of decision-making  
ATS 155429/7614 1414372 - [REDACTED] - Harmonization and coordination of decision-making  
ATS 155430/7693 2409221 - [REDACTED] site 2 - Harmonization and coordination of decision-making

New Issue – Unlicensed facilities – DFO to review applications 1<sup>st</sup> – would like to renew as they would have originally been licensed for, and then accept an amendment application. This would have to be looked at 1<sup>st</sup> on a case by case basis.

s.19(1)





Fisheries and Oceans Canada  
Correspondence Routing Slip

Fiche d'acheminement de correspondance  
Pêches et Océans Canada

UNCLASSIFIED  
GCCMS #: 2018-009-00474  
EKME #: 3954212

To: Catherine Blewett  
Pour:

Date:

Object: **Meeting with Cermaq and Marine Harvest Canada**  
Objet:

From / De: Jean-François LaRue, Director General, Aquaculture Management

*[Signature]* AUG 17 2018

Via: Philippe Morel, Assistant Deputy Minister, Aquatic Ecosystems

Additional approvals:  
Autre(s) approbation(s):



Material for the Minister  
Documents pour le Ministre



Your Signature  
Votre signature



Information

Remarks: This briefing note was developed in consultation with the following  
Remarques: regions/sectors: Pacific Region

Distribution: Anne Lamar, Senior Assistant Deputy Minister, Strategic Policy Sector

Drafting Officer/  
Rédacteur:

Allison Webb (604-666-7009) / J-F. LaRue / eb



Fisheries and Oceans  
Canada

Pêches et Océans  
Canada

Approved by SADM

Docket #: 2018-009-00474

Security Classification: UNCLASSIFIED

## **SCENARIO NOTE**

### **MEETING WITH CERMAQ AND MARINE HARVEST CANADA**

#### **Overview**

The purpose of the meeting is to discuss DFO's involvement in the current government to government discussions taking place between the Government of BC and First Nations under a letter of intent process to provide consensus recommendations on the future of the salmon farms in the Broughton Archipelago.

Your overall objective for the meeting is to affirm DFO's position that aquaculture is well regulated and express interest in incremental improvements to minimize risk to wild salmon populations. It is also important to clarify federal and provincial roles for aquaculture management and impress upon the companies that DFO cannot fetter the provincial decision making authority related to the aquaculture tenures in BC.

The key issue that will be raised during the meeting is industry's request to have the involvement of DFO in the Broughton process including providing evidence based information to inform the consensus recommendations on the risks of salmon farming on wild salmon stocks in BC.

Cermaq and Marine Harvest Canada are the two largest companies operating in BC with numerous sites and operations in other jurisdictions. Both companies belong to the BC Salmon Farmers Association and have constructive relationships with DFO.

#### **1. Issue**

BC has been meeting with Broughton First Nations since winter 2018 in a government to government process aimed at providing recommendations on renewal of tenures in the Broughton Archipelago. BC has indicated that this process will be consistent with the implementation of the United Nations Declaration on the rights of Indigenous people. First Nations have been vocal in their opposition to salmon farms in that area.

s.14

s.21(1)(a)

s.21(1)(b)

DFO and industry have not participated in these discussions with the exception of a meeting on August 3, 2018 attended by industry

The Broughton Archipelago has about 20 salmon farms representing approximately 30% of the production in BC and accounts for \$190 million. Salmon farming is the major economic driver of

Unclassified

the north island economy including the communities of Campbell River, Port McNeil and Port Hardy. Farmed salmon is BC's number one agri-food export.

In late June 2018, BC announced that it would take a new policy position on tenures for finfish aquaculture and require that for farms outside the Broughton, the expiry date of the tenure would align with the DFO aquaculture licence expiry dates in 2022. Further, BC will require a First Nations agreement to be in place and confirmation by DFO that the farm would not pose a risk to wild salmon before the tenure will be renewed.

Both companies have pursued and are interested in furthering constructive engagement with First Nations and have a significant number of Indigenous employees. Additionally, they are focused on continuous improvement in environmental management including investments in research and technology. These companies have also sought certification by the Aquaculture Stewardship Council to ensure a high level of environmental stewardship.

### **Minister's Objectives**

It is expected that the Minister will affirm DFO's regulation of the sector is robust and we will continue to work with BC, First Nations, industry and other stakeholders to continuously improve the regulation of the sector to reduce risks to wild salmon. The importance of the sector to the economy and jobs and growth agenda can be confirmed.

### **Key Messages**

- **DFO understands the economic contribution of the salmon aquaculture industry to BC and the potential for growth for coastal and Indigenous communities and the current difficulties faced by the industry.**
- **Finfish aquaculture is well managed and we will continue to work collaboratively with industry, BC, First Nations and other stakeholders to**

Unclassified

**address concerns and risks related to impacts to wild salmon.**

- **Additionally DFO is in the process of revising our framework on the application of the precautionary approach to aquaculture. As we move forward with this, I welcome your input.**
- **DFO knows that the Broughton government to government process is an important step in setting direction for finfish aquaculture policy in BC and is prepared to support the process as appropriate respecting BC's authority to make tenure decisions for finfish aquaculture.**
- **I am also interested in hearing industry's ideas to improve engagement with First Nations and address issues of social licence in BC.**

**Taekema, Bernie John**

---

**From:** Taekema, Bernie John  
**Sent:** August-17-18 9:50 PM  
**To:** Patirana, Anoma  
**Subject:** Re: Broughton production values, 2017

I have that percentage already calculated based on historically active farms in the Broughton which is a subset of the 20. This is important to note.

Sent from my BlackBerry 10 smartphone on the Rogers network.

**From:** Patirana, Anoma  
**Sent:** Friday, August 17, 2018 2:06 PM  
**To:** Taekema, Bernie John; Hedderson, Lisa  
**Cc:** McCorquodale, Brenda  
**Subject:** RE: Broughton production values, 2017

Hey Bernie, just to provide some context, Allison and Dean Medeiros were working on a briefing note to the Minister on the Broughton and had contacted AP to see if we had any information on the production value of farms in the Broughton which is why I contacted ARM. Apparently they were looking to complete the below sentence in the MIN note:

" The Broughton Archipelago has about 20 salmon farms representing approximately 30% of the production in BC and accounts for \$X. "

No plan on our end to do any analysis and if such a request were to come our way, we'll make sure to reach out to you first!

-Anoma

**From:** Taekema, Bernie John  
**Sent:** August-17-18 2:01 PM  
**To:** Hedderson, Lisa; Patirana, Anoma  
**Cc:** McCorquodale, Brenda  
**Subject:** Re: Broughton production values, 2017

I drafted a summary and report on this a couple of months ago so maybe wait before you do any analysis  
Anoma

Sent from my BlackBerry 10 smartphone on the Rogers network.

**From:** Hedderson, Lisa  
**Sent:** Friday, August 17, 2018 12:07 PM  
**To:** Patirana, Anoma  
**Cc:** McCorquodale, Brenda; Taekema, Bernie John  
**Subject:** Broughton production values, 2017

Hi Anoma,

Attached is the 2017 AASR data for the Broughton finfish sites, which shows the total production values reported earlier this year.

Note: Our Broughton Finfish Management Area includes 23 sites, however only 17 of these are covered under the June 2018 Letter of Understanding between First Nations and the Province. I am not sure what Allison is using these values for so I have presented both (with all 23, and with LOU sites only) values in the attached spreadsheet.

Thanks,

Lisa

***Lisa Hedderson, MSc.***

Aquaculture Management Coordinator | Coordinatrice - Gestion de l'aquaculture

Fisheries Management | Direction des pêches

Aquaculture Management Division | Division de la gestion de l'aquaculture

Fisheries and Oceans Canada | Pêches et Océans Canada

1965 Island Diesel Way Nanaimo BC V9S 5W8

Government of Canada | Gouvernement du Canada

Telephone | Téléphone 250.754.0407 Facsimile | Télécopieur 250-754-0391

**[Lisa.Hedderson@dfo-mpo.gc.ca](mailto:Lisa.Hedderson@dfo-mpo.gc.ca)**

**[www.pac.dfo-mpo.gc.ca](http://www.pac.dfo-mpo.gc.ca)**

**Taekema, Bernie John**

---

**From:** Taekema, Bernie John  
**Sent:** August-20-18 9:53 AM  
**To:** McCorquodale, Brenda  
**Cc:** Patirana, Anoma; Hedderson, Lisa  
**Subject:** RE: Broughton production values, 2017  
**Attachments:** Broughton Tenured Sites & 2016-2017 prod May 2018.xlsx; MFF prod comparison 2015-2017 Impact on non-renewal 2018-02-07.docx

Hi Brenda,

I was not in on Friday when Allison's request for AASR data came through Anoma. What is missing in what was provided is the fact that only a relatively small subset of farms is responsible for the production. If all farms were operating routinely the "potential" production would be significantly greater based on cumulative "licenced" production.

Bernie

---

**From:** Patirana, Anoma  
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Lisa

***Lisa Hedderson, MSc.***

Aquaculture Management Coordinator | Coordinatrice - Gestion de l'aquaculture  
Fisheries Management | Direction des pêches  
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Fisheries and Oceans Canada | Pêches et Océans Canada  
1965 Island Diesel Way Nanaimo BC V9S 5W8  
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## MARINE FINFISH PRODUCTION COMPARISON SUMMARY

### Impact of not renewing tenures in three fish farm areas

February 6, 2018

The following information has been compiled to reflect the production contribution from the marine finfish aquaculture sector within three sub-areas along the B.C. coast. The specific areas are the Broughton Archipelago (BA), the Discovery Islands (DI) and the Sunshine Coast (SC). The purpose for doing so is to have an understanding of the impact on overall production/value of farmed salmon if provincial leases are not renewed in these areas. [REDACTED]

First Nations in the BA, SC and parts of the DI do not support marine finfish aquaculture and have a history of opposing new farms, as well as licence amendments (DFO) and tenure renewals (provincial ministry of Forest, Lands and Natural Resource Operations (FLNRO)). Leases associated with 23 of the 24 farms in the BA are expiring in June 2018. First Nations are pressuring the province to not renew these leases [REDACTED]

[REDACTED] Other options include a staged closure of all farms based on completion of production cycles or non-renewal of tenures associated with a subset of the farms.

Three government agencies regulate different aspects of aquaculture. DFO issues licences that manage habitat/fishery interactions, Transport Canada issues approvals related to navigable waters, while the provincial FLNRO issues tenure documents authorizing the use of Crown land (including land covered by water). A fish farm must have authorization from all three agencies prior to cultivating fish. The process to renew tenures involves an application submission to the province by the tenure holder which is then reviewed by staff. The review can take a significant period of time, often due to First Nation consultation. If the tenure expires before the review is complete the province defaults to a month-to-month tenure authorization until a decision is made. This may well occur to the farms in the BA next year. It should be noted that there are a significant number of farms in B.C. that presently have a month-to-month status, including several farms in the DI and all of the farms in the SC.

The production comparison tables below include data from all three areas [REDACTED]

There are significant ramifications to overall aquaculture production in B.C. if farms in these regions do not have their tenures renewed, including a significant reduction in the total value of marine finfish aquaculture in the province. The two tables endeavour to provide specific details and context related to worst case scenarios (i.e. an entire area is shut down).

Table 1: Licensed and Active Sites summarises the number of licenced sites in the Pacific region and cumulative licenced production. It also includes a subset of "historically active" farms, which are farms in the Pacific region that were in production at some point between 2012 and 2017. The table also shows the number of licenced sites, active sites and production associated with the BA, DI and SC. Based on six years-worth of data it can be concluded that the 83 "active" farms are likely to remain in production at some frequency in the future and would have an impact on the overall production levels if they were closed. The remaining 33 farms are not likely to be used for production on a regular basis considering they have not operated for at least the past six years and closing them would have little or no impact on overall production.

Table 2: Production (tonnes), Total value (CAD \$) and number of active sites, 2015-2017 summarizes the number of farms that were harvested in total and those in the BA, DI and SC for the years 2015, 2016 and 2017. It includes the associated production (tonnes) and value (CAD \$) and the percentage of farms harvested per area out of the total number harvested. The table shows the relative importance of the three areas by percentage of production/value compared to the entire aquaculture industry and the potential loss if tenures are not renewed.

The tables indicate the significance of the BA to the output of the aquaculture industry. In 2015 the production from the 10 farms (20%\*) that were harvested in the BA [REDACTED] which was [REDACTED] of the total Pacific Region annual harvest. For the entire industry 49 farms were harvested for a total production of 92,832t with a value of \$468.79 million. In 2016 nine farms (17%\*) in the BA produced [REDACTED] \*) with a value [REDACTED] \*), while in 2017 12 farms(27%\*) in the BA produced [REDACTED] \*) with a value [REDACTED] \*). Overall the production and value of aquaculture in the BA has increased relative to the production and value of the industry as a whole and if tenures were not renewed approximately 22% (average of three years) of the production and value will be lost in the province. A similar trend was noted in the data associated with the DI, where the production and value represents 23% of the aquaculture industry. The production and value associated with the SC is minor in comparison and there is no discernable trend in value or production.

\*Percentage of unit out of total in Pacific Region

s.20(1)(b)

Overall the data indicate a significant increase in the value of the aquaculture industry over the past three years wholly due to an increase in the price/kg, as the overall production over the past three years has dropped from 92,832t in 2015 to 90,771t in 2016 to 85,622t in 2017.

To summarize a decision by the province to not renew tenures in the Broughton will have a significant impact to the overall production and economic value of the B.C. marine finfish aquaculture industry.

Although not in DFO's mandate it should be noted that the ripple effect of closing fish farms will also effect direct employment as well as secondary "value added" industries.

The impact to DFO of a much reduced aquaculture industry in B.C. would likely include a re-evaluation of the number of operational staff required to regulate the industry and a possible reduction in the number of research projects that Science is/will undertake to better understand the relationship between farmed and wild salmon. There could also be a push by industry to increase production at their remaining active farms which could increase DFO staff workloads significantly in the short-term.

Bernie Taekema

Senior Aquaculture Management Coordinator

s.14

s.21(1)(a)

s.21(1)(b)

Table 1: Licensed and Active Sites

Marine Finfish		Grand Total	% of Whole	BROUGHTON TOTALS	% of Whole	DISCOVERY TOTALS	% of Whole	SUNSHINE COAST TOTALS	% of Whole	OTHER AREAS* TOTALS	% of Whole
Licensed Sites (December 2017)	# Sites	116	100%	23	20%	21	18%	10	9%	62	53%
	Licensed Tonnage	296479	100%	52882	18%	52433	18%	12977	4%	178187	60%
Historical Active Sites (2012-2017)	# Sites	83	72%	14	17%	15	18%	9	11%	45	54%
	Licensed Tonnage	231329	78%	37432	16%	41778	18%	11977	5%	140142	61%

Table 2: Production (tonnes), Total value (CAD \$) and number of active sites, 2015-2017

Marine Finfish		Grand Total	%	BROUGHTON TOTALS	%	DISCOVERY TOTALS	%	SUNSHINE COAST TOTALS	%	OTHER AREAS* TOTALS	%
2015 AASR	# Sites Active	49	100%	10	20%	10	20%	3	6%	26	53%
	Production	92,832	100%			21,311	23%			52,798	57%
	Total Value	\$ 468,785,544	100%			\$ 106,065,119	23%			\$ 272,030,924	58%
2016 AASR	# Sites Active	52	100%	9	17%	10	19%	7	13%	26	50%
	Production	90,771	100%			19,707	22%			48,707	54%
	Total Value	\$ 744,415,032	100%			\$ 160,079,647	22%			\$ 405,498,614	54%
2017 AASR	# Sites Active	44	100%	12	27%	9	20%	3	7%	20	45%
	Production	85,622	100%			20465	24%			40599	47%
	Total Value	\$ 729,977,511	100%			\$ 173,446,998	24%			\$ 354,064,266	49%

\* Other areas includes: Barkley Sound, Clayoquot Sound, Klemtu, Kyuquot Sound, Nootka-Esperanza, Part Hardy, Quatsino Sound

s.20(1)(b)

BROUGHTON PRODUCTION INFORMATION (MAY 2018)

FACILITY REF #	CLIENT NAME	LOCATION NAME	PHYSICAL LOCATION	ACTIVE PRODUCTION	FALLOW/INACTIVE*	RE STOCKING DATE	HARVEST DATE
136	CERMAQ CANADA LTD.	CLIFF BAY	Cliff Bay Simoom Sound Wishart Peninsula	NO	FALLOW	NO PLANS THRU SEPT 2018	Estimated start date sometime between Apr - June 2019**
728	CERMAQ CANADA LTD.	SIR EDMUND BAY	Sir Edmund Bay, NE Shore Broughton Inlet	YES	NO	NOT KNOWN	
819	CERMAQ CANADA LTD.	CECIL ISLAND	Cecil Island, Greenway Sound	NO	FALLOW	NO PLANS THRU SEPT 2018	
458	CERMAQ CANADA LTD.	CYPRESS HARBOUR	Cypress Hrbr, Harbour Pt, Sutlej Channel	BROODSTOCK SITE - ONGOING FISH ON SITE			
869	CERMAQ CANADA LTD.	MAUDE ISLAND	Maude Island, SE Broughton Is.,	YES	NO	NOT KNOWN	Estimated start date sometime between Sep - Nov 2019**
1144	CERMAQ CANADA LTD.	BURDWOOD	Burdwood Group, Raleigh Passage	YES	NO	NOT KNOWN	Estimated start date sometime between Jul - Sep 2019**
1336	CERMAQ CANADA LTD.	SIMMONDS	Simmonds Bay, Wells Passage		FALLOW	NO PLANS THRU SEPT 2018	
1335	CERMAQ CANADA LTD.	WEHLIS BAY	Wehlis Bay, Wells Passage		INACTIVE	NO PLANS THRU SEPT 2018	
141	MARINE HARVEST CANADA INC.	PORT ELIZABETH	Port Elizabeth, Gifford Island	YES	NO	NOT KNOWN	Estimated start date sometime between Mar - May 2019**
1059	MARINE HARVEST CANADA INC.	SARGEAUNT PASS	Sargeaunt Passage, Tribune Channel	YES	NO	NO PLANS THRU SEPT 2018	Aug-18
739	MARINE HARVEST CANADA INC.	UPPER RETREAT	Upper Retreat Passage	NO	FALLOW	NO PLANS THRU SEPT 2018	
467	MARINE HARVEST CANADA INC.	MIDSUMMER ISLAND	Midsummer Island, Spring Passage	YES	NO	NOT KNOWN	Estimated start date sometime between Feb - Apr 2019**
465	MARINE HARVEST CANADA INC.	SWANSON ISLAND	Swanson Island, North side	YES	NO	NOT KNOWN	Estimated start date sometime between Aug - Oct 2019**
466	MARINE HARVEST CANADA INC.	ARROW PASSAGE	Arrow Passage, Bonwick Island	NO	INACTIVE	NO PLANS THRU SEPT 2018	N/A
821	MARINE HARVEST CANADA INC.	GLACIAL FALLS	Glacial Falls, Watson Cove, Tribune Channel	YES	NO	NO PLANS THRU SEPT 2018	Sep-18
820	MARINE HARVEST CANADA INC.	WICKLOW	Wicklow Point, Broughton Island	YES	NO	NOT KNOWN	Estimated start date sometime between Sep - Nov 2019**
143	MARINE HARVEST CANADA INC.	LARSEN ISLAND	Larsen Island, Indian Channel	YES	NO	NO PLANS THRU SEPT 2018	May-18
1586	MARINE HARVEST CANADA INC.	DOCTOR ISLETS	Doctor Islets, Knight Inlet	YES	NO	NOT KNOWN	Estimated start date sometime between Oct - Dec 2019**
1618	MARINE HARVEST CANADA INC.	HUMPHREY ROCK	Humphrey Rock, Tribune Channel	YES	NO	NOT KNOWN	Estimated start date sometime between Oct - Dec 2018**

1145	MARINE HARVEST CANADA INC.	POTTS BAY	Potts Bay, Midsummer Island	NO	FALLOW	NO PLANS THRU SEPT 2018
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\* Fallow means production has occurred within the past two years; inactive means there has been no production within the past two years

\*\* Based on typical production cycle length of 18 - 20 months

## McCorquodale, Brenda

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**From:** McCorquodale, Brenda  
**Sent:** Monday, August 20, 2018 10:12 AM  
**To:** Taekema, Bernie John  
**Subject:** RE: Broughton production values, 2017

There seem to be a few licences that had production tonnages over their allowable biomass. Did we provide this info to C&P when the amount was significant?

Brenda

Brenda McCorquodale

Regional Manager, Aquaculture Resource Management  
Fisheries and Oceans Canada  
Gestionnaire régionale des ressources, Direction des pêches  
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**From:** Taekema, Bernie John  
**Sent:** Monday, August 20, 2018 9:53 AM  
**To:** McCorquodale, Brenda  
**Cc:** Patirana, Anoma; Hedderson, Lisa  
**Subject:** RE: Broughton production values, 2017

Hi Brenda,

I was not in on Friday when Allison's request for AASR data came through Anoma. What is missing in what was provided is the fact that only a relatively small subset of farms is responsible for the production. If all farms were operating routinely the "potential" production would be significantly greater based on cumulative "licenced" production.

Bernie

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**From:** Patirana, Anoma  
**Sent:** August-17-18 2:07 PM  
**To:** Taekema, Bernie John; Hedderson, Lisa  
**Cc:** McCorquodale, Brenda  
**Subject:** RE: Broughton production values, 2017

Hey Bernie, just to provide some context, Allison and Dean Medeiros were working on a briefing note to the Minister on the Broughton and had contacted AP to see if we had any information on the production value of farms in the Broughton which is why I contacted ARM. Apparently they were looking to complete the below sentence in the MIN note:

" The Broughton Archipelago has about 20 salmon farms representing approximately 30% of the production in BC and accounts for \$X. "

No plan on our end to do any analysis and if such a request were to come our way, we'll make sure to reach out to you first!

-Anoma

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**From:** Taekema, Bernie John  
**Sent:** August-17-18 2:01 PM  
**To:** Hedderson, Lisa; Patirana, Anoma  
**Cc:** McCorquodale, Brenda  
**Subject:** Re: Broughton production values, 2017

I drafted a summary and report on this a couple of months ago so maybe wait before you do any analysis  
Anoma

Sent from my BlackBerry 10 smartphone on the Rogers network.

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**From:** Hedderson, Lisa  
**Sent:** Friday, August 17, 2018 12:07 PM  
**To:** Patirana, Anoma  
**Cc:** McCorquodale, Brenda; Taekema, Bernie John  
**Subject:** Broughton production values, 2017

Hi Anoma,

Attached is the 2017 AASR data for the Broughton finfish sites, which shows the total production values reported earlier this year.

Note: Our Broughton Finfish Management Area includes 23 sites, however only 17 of these are covered under the June 2018 Letter of Understanding between First Nations and the Province. I am not sure what Allison is using these values for so I have presented both (with all 23, and with LOU sites only) values in the attached spreadsheet.

Thanks,  
Lisa

***Lisa Hedderson, MSc.***

Aquaculture Management Coordinator | Coordinatrice - Gestion de l'aquaculture  
Fisheries Management | Direction des pêches

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**Parsons, Jay**

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**From:** Parsons, Jay  
**Sent:** Wednesday, August 22, 2018 2:13 PM  
**To:** Burgetz, Ingrid  
**Subject:** FW: URGENT INFORMAL: SN with Cermaq and Marine Harvest  
**Attachments:** ML\_RapidResponse\_2018-07-18-1406.docx

Interesting. First time I see these even though I am supposed to be the spokes person!?!  

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**From:** Northcott, Jennifer  
**Sent:** Wednesday, August 22, 2018 12:45 PM  
**To:** Moore, Wayne; Parsons, Jay  
**Cc:** White, Andrea  
**Subject:** RE: URGENT INFORMAL: SN with Cermaq and Marine Harvest

Here are the media lines. DMO approved. We sent them to MINO as FYI on July 18<sup>th</sup>.

Jennifer

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**From:** Moore, Wayne  
**Sent:** August-22-18 12:28 PM  
**To:** Northcott, Jennifer; Parsons, Jay  
**Cc:** White, Andrea  
**Subject:** FW: URGENT INFORMAL: SN with Cermaq and Marine Harvest  
**Importance:** High

Jennifer – do we have approved messaging on this?

**From:** White, Andrea  
**Sent:** August 22, 2018 12:23 PM  
**To:** Moore, Wayne <Wayne.Moore@dfo-mpo.gc.ca>  
**Subject:** FW: URGENT INFORMAL: SN with Cermaq and Marine Harvest  
**Importance:** High

Hi – DMO is asking that we provide the “PRV risk assessment approved messaging” as part of this informal. Do you know specifically what they are talking about? And if yes, can you send it to me?

Thanks,  
Andi

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**From:** Kaba, Kyle  
**Sent:** August-22-18 11:33 AM  
**To:** Butcher, Ashley; Richter, Julie; White, Andrea  
**Cc:** Jarjour, Jasmine; Hirani, Samia; Khwaja, Saba; Kahn, Zoe  
**Subject:** RE: URGENT INFORMAL: SN with Cermaq and Marine Harvest

Hello,

Please see the responses below. Let me know if there are any questions.

Thanks

Kyle

**From:** Butcher, Ashley  
**Sent:** August-21-18 1:46 PM  
**To:** Richter, Julie; Kaba, Kyle; White, Andrea  
**Cc:** Jarjour, Jasmine; Hirani, Samia; Khwaja, Saba; Kahn, Zoe  
**Subject:** URGENT INFORMAL: SN with Cermaq and Marine Harvest

Hey folks – MINO has some follow-up questions after reviewing this SN. Andi, not sure if EOS was involved in drafting this note, so I've attached the copy that came over to MINO as reference.

- 1) Cermaq and Marine Harvest are going to push for the Department to be involved in the Government to Government (G2G) process. The SN says we should indicate we're prepared to support the G2G while Respecting BC's tenure process. However, there isn't any clear articulation/advise on how this could happen? For example, if we start an area based approach, how would that fit in and what does the Department think we can accomplish?

- This sentence was meant to convey that if we were asked to actively participate in the government to government process, we would be able to provide information that is directly related to the DFO mandate to answer any questions posed of us.
- [REDACTED]
- DFO does not have jurisdictional authority regarding the tenure decisions
- DFO is respecting this division of responsibilities.
- The Area based management process is a different concept and both BC and industry are supportive of this type of approach.

- 2) The note states that Andy did not attend the G2G meetings last week [REDACTED]

- [REDACTED]
- DFO is currently under active litigation (Morton/Namgis) and this G2G process is co-chaired by the Namgis and much of the discussion to date during those discussions has been led by lawyers from various parties.
- [REDACTED]

s.21(1)(a)

s.21(1)(b)

s.23

- 3) Cermaq and Marine Harvest are likely going to want to talk about PRV – is there any update or is the Department able to share any key messages on PRV?

- Cermaq or Marine Harvest are well aware of the current lawsuit against DFO.
- [REDACTED]
- DFO has approved messages regarding PRV including those from the recent rapid assessment that could be shared.

- Information on PRV is also available on our website.
  - DFO is conducting a risk assessment on PRV and this information will be used to further inform decision making.
  - [REDACTED] s.21(1)(a)  
s.21(1)(b)
- 4) Cermaq and Marine Harvest provided the Department with a list of ways they want to proactively work with DFO on a variety of fronts, including supporting innovation and transparency. Does the Department have any commentary on their suggestions? Anything that DFO particularly likes or dislikes?
- DFO is interested in working with industry, First Nations, BC and other stakeholders on area based management, better engagement of First Nations in aquaculture governance and monitoring as well as investments in alternative technologies.
  - DFO is also supportive of industry's requests for increased transparency and sharing of information as well as communications to the public to provide a more informed dialogue regarding aquaculture.
  - All of these ideas have merit and in particular, better involvement of First Nations in governance and active monitoring is key to stabilising the industry.
  - DFO is not currently funded to support most of those ideas. [REDACTED]

s.69(1)(g) re: (c)

Thanks,

Ashley Butcher

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